S1435-1-a

1988

ANNUAL TRAFFIC STATISTICAL REPORT

Prepared by:

DELAWARE STATE POLICE
TRAFFIC CONTROL SECTION
CAPTAIN MICHAEL F. GUNNING, DIRECTOR

INTRODUCTION

The Traffic Control Section of the Delaware State Police is legislatively responsible for the storing of all traffic crash records. This includes all crash reports regardless of the geographical areas in which they occur or the police agency conducting the investigation. These a cident reports are stored with us for quick retrieval for civil, criminal, and statisical purposes.

This is an annual compilation - in report form - of the 1988 crash statistcs. There are a few additions, which we feel, will better exemplify the drinking driver problem we are experiencing in the late evening and early morning hours.

Although we have lost more lives as a result of the traffic crashes in 1988, there were a total of 19,790 overall traffic crashes in 1988 as compared to 20,339 occurring in 1987. This is an overall reduction of approximately three (3) percent.

Copies of this report are available to the public through the Traffic Control Section, Delaware State Police, P.O. Box 430, Dover, Delaware, 19903 or by phone at (302) 736-5933.

Traffic Control Section
DELAWARE STATE POLICE

1988
STATEWIDE FATAL CRASH SUMMARY

1. Fatal Crashes and Fatalities

	CRASHES	DEATHS
New Castle	84	95
Kent	26	28
Sussex	37	42
TOTAL:	147	165

2. Alcohol Related Fatal Crashes and Fatalities

	CRASHES	DEATHS
New Castle	44	51
Kent	15	16
Sussex	16	18
TOTAL:	75	85

3. Status of Victims

A. CAR OCCUPANTS		123
Operators	84	
Passengers	39	
B. MOTORCYCLISTS		11
Operators	10	
Passengers	1	
C. PEDESTRIANS		28
D. BICYCLISTS		3
TOTAL DEATHS:		165

1988
DELAWARE

479,609 DRIVERS
WERE LICENSED

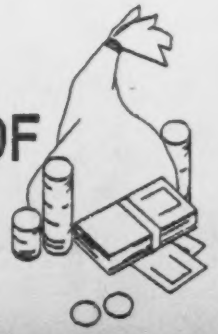
555,243 MOTOR VEHICLES
WERE REGISTERED

6,386,000,000 VEHICLE MILES
WERE DRIVEN

THERE WERE
19,790 TRAFFIC CRASHES

RESULTING IN
165 PEOPLE KILLED &
9,245 PEOPLE INJURED

AND AN ECONOMIC LOSS OF
$192 MILLION DOLLARS.



WATCH OUT!!

Dangerous Times To be on the Road in Delaware

Most Dangerous Day:

SATURDAY

75%of the Fatal Crashes

are ALCOHOL RELATED!

Most Dangerous Time:

8 pm - 4 am

85%of the Fatal Crashes

are ALCOHOL RELATED!

Worst Day and Time to be on the Road:

From Friday night at at 10 pm until Saturday morning at 4 am.

86% of the Fatal Crashes

are ALCOHOL RELATED!

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DELAWARE
TRAFFIC CRASH FACTS

- There were 19,790 reported traffic crashes of which 147 were fatal; 5878 were personal injury and 13,765 were property damage crashes.
- A traffic crash was reported every 27 minutes.
- In 147 fatal crashes, 165 persons were killed.
- Twenty-nine (29) juveniles were killed in traffic crashes.
- One person was killed every 53 hours as a result of traffic crashes.
- There were 9,245 persons injured in Delaware traffic crashes.
- One person was injured every 57 minutes in traffic crashes.
- For each person killed, there were 56 injured.
- One out of every 18 licensed drivers was involved in a traffic crash in Delaware.
- Alcohol was involved in 51% of the total fatal crashes.
- Of all the drivers killed in fatal crashes, 46% of them were drinking.
- The number of pedestrians killed in traffic crashes in 1988 was 28, up from 23 in 1987.
- For each pedestrian killed, there were 11 injured
- The number of bicyclists killed in traffic crashes in 1988 was 3, up from 2 in 1987.
- For each bicyclist killed, there were 61 injured.
- Children under 15 years of age accounted for 57% of the bicyclist's injuries.
- A total of 11 motorcyclists were killed in traffic crashes in 1988, compared to 14 in 1987.
- Of the 11 motorcyclists killed, only 5 of them were wearing a helmet.
- Of the 123 occupants killed in traffic crashes in 1988, 97 were not using occupant restraints.
- Of the 864 occupants killed in traffic crashes in the last nine years, 91% of them were not using occupant restraints.

TRAFFIC STATISTICS
IN BRIEF

	1988	1987	% Change
Registered Vehicles	555,243	542,512	↘ 2%
Licensed Drivers	479,609	475,947	↘ 1%
Vehicle Miles Traveled (in millions)	6,386	6,087	↘ 5%
Population	660,200	632,754	↘ 4%
Fatal Crashes	147	132	↘ 11%
Personal Injury Crashes	5,878	5,813	↘ 1%
Property Damage Crashes	13,765	14,394	4% ↗
Total Crashes	19,790	20,339	3% ↗
Persons Killed	165	147	↘ 12%
Persons Injured	9,245	8,915	↘ 4%
Death Rate per 100 million Vehicle Miles Driven	2.58	2.41	↘ 7%
Death Rate per 10,000 Registered Vehicles	2.97	2.71	↘ 10%
Death Rate per 100,000 Population	24.99	23.23	↘ 8%

POPULATION, LICENSED DRIVERS, REGISTERED MOTOR VEHICLES, and MOTOR VEHICLE MILEAGE

1970 - 1988

YEAR	POPULATION	LICENSED DRIVERS	REGISTERED MOTOR VEHICLES	MOTOR VEHICLE MILEAGE **
1970	548,104	333,631	321,026	2,980
1971	559,000	343,180	339,265	3,216
1972	571,000	353,147	345,034	3,826
1973	576,000	376,495	359,882	3,714
1974	577,000	376,453	377,569	3,697
1975	579,000	379,386	386,551	3,923
1976	582,086	386,872	390,651	3,850
1977	582,086	390,316	406,401	4,038
1978	581,700	409,419	419,126	4,232
1979	582,600	415,739	429,877	4,093
1980	595,225	425,314	435,009	4,221
1981	594,338	437,813	443,511	4,459
1982	594,317	443,960	454,585	4,591
1983	599,866	443,013	467,374	4,886
1984	600,000	451,791	502,025	5,123
1985	611,011	459,875	506,328	5,365
1986	612,603	468,234	521,401	5,761
1987	632,754	475,947	542,512	6,087
1988	660,200	479,609	555,243	6,386

** In Millions

NUMBER & PERCENTAGE DISTRIBUTION

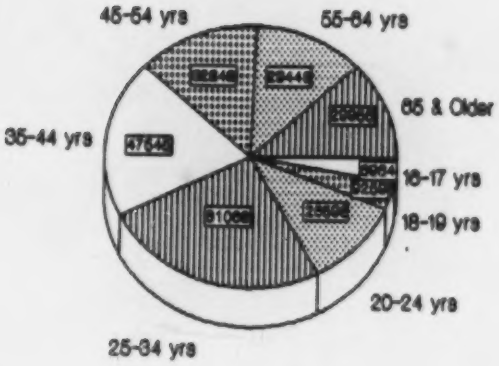
of

LICENSED DRIVERS

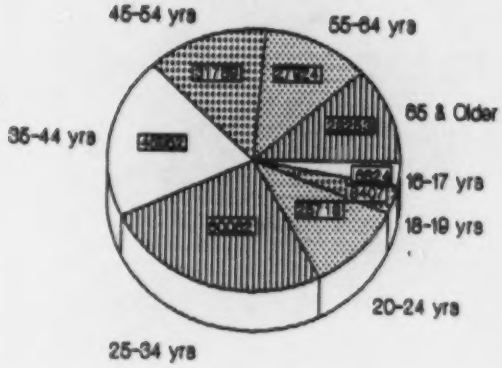
1988

AGE	MALE		FEMALE		TOTAL	
	#	%	#	%	#	%
16 - 17	6,964	3%	6,824	3%	13,788	3%
18 - 19	9,259	4%	8,407	4%	17,666	4%
20 - 24	26,598	11%	25,718	11%	52,316	11%
25 - 34	61,068	25%	60,062	25%	121,130	25%
35 - 44	47,545	20%	46,952	20%	94,497	20%
45 - 54	32,848	13%	31,789	13%	64,637	13%
55 - 64	29,443	12%	27,924	12%	57,367	12%
65 & Older	29,955	12%	28,253	12%	58,208	12%
TOTAL:	243,680	100%	235,929	100%	479,609	100%

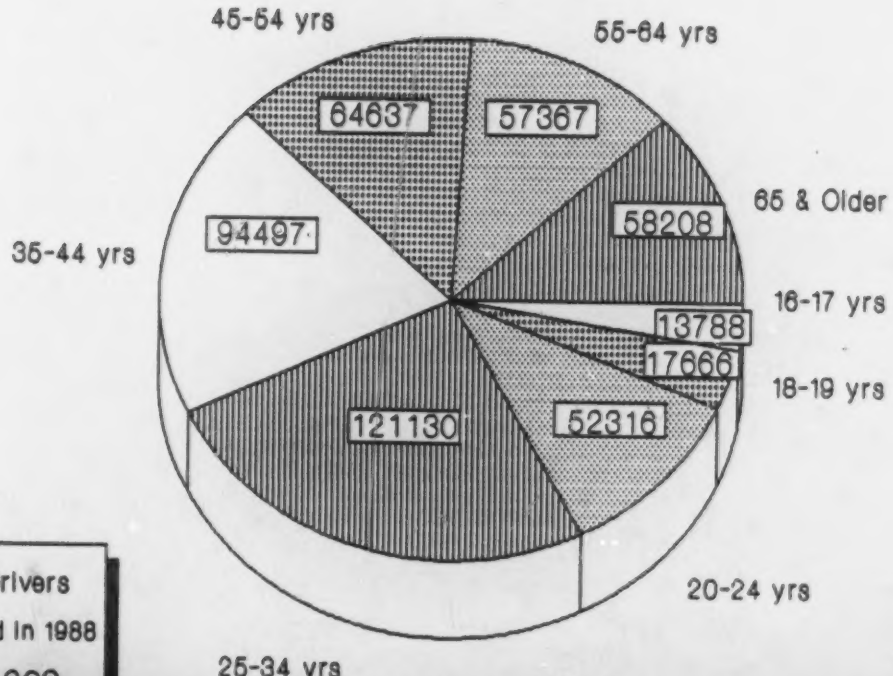
MALES



FEMALES



DISTRIBUTION OF ALL LICENSED DRIVERS



Total Drivers Licensed In 1988

479,609

VEHICLE DEATH RATES

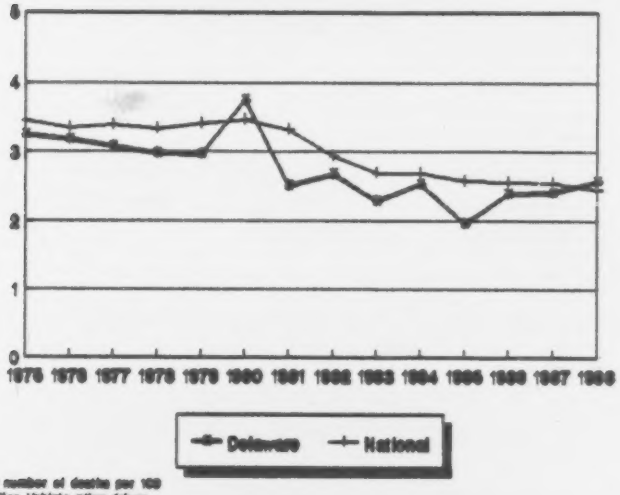
YEAR	MILEAGE DEATH RATE		REGISTRATION DEATH RATE		POPULATION DEATH RATE	
	Delaware	National	Delaware	National	Delaware	National
1975	3.24	3.45	3.30	3.30	21.93	21.60
1976	3.17	3.34	3.12	3.28	20.96	21.90
1977	3.07	3.38	3.08	3.32	21.48	22.90
1978	2.98	3.33	3.01	3.35	21.66	23.60
1979	2.96	3.40	2.81	3.26	20.77	23.60
1980	3.74	3.46	3.63	3.25	26.54	23.20
1981	2.51	3.32	2.53	3.13	18.84	22.50
1982	2.68	2.93	2.71	2.76	20.70	19.90
1983	2.29	2.69	2.40	2.62	18.67	19.00
1984	2.54	2.69	2.59	2.69	21.67	19.60
1985	1.96	2.58	2.07	2.60	17.18	19.10
1986	2.40	2.57	2.65	2.63	22.53	19.90
1987	2.41	2.55	2.71	2.62	23.23	20.00
1988	2.58	2.46	2.97	2.60	24.99	19.90

Mileage Death Rate is the number of deaths per 100 million Vehicle Miles.

Registration Death Rate is the number of deaths per 10,000 Registrations.

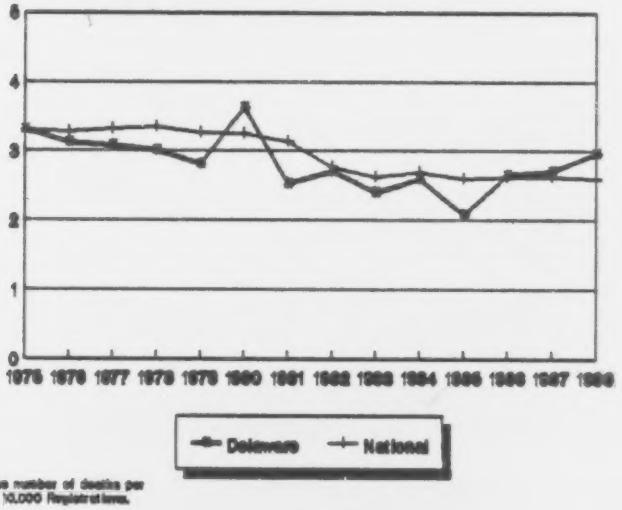
Population Death Rate is the number of deaths per 100,000 Population.

Mileage Death Rate



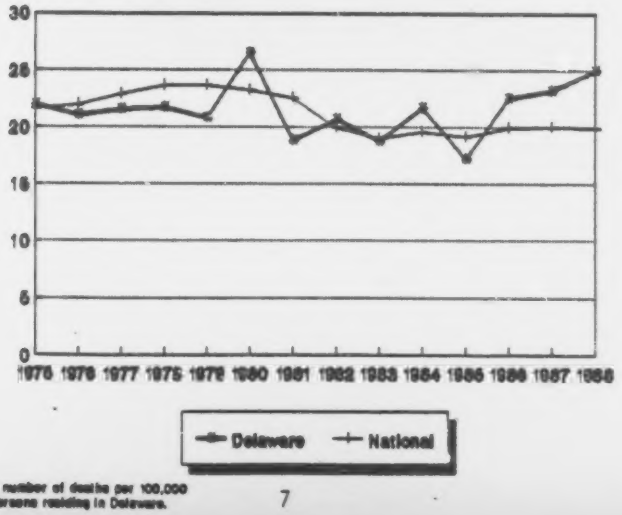
The number of deaths per 100 million Vehicle miles driven.

Registration Death Rate



The number of deaths per 10,000 Registrations.

Population Death Rate



The number of deaths per 100,000 persons residing in Delaware.

STATEWIDE

CRASH AND INJURY DATA

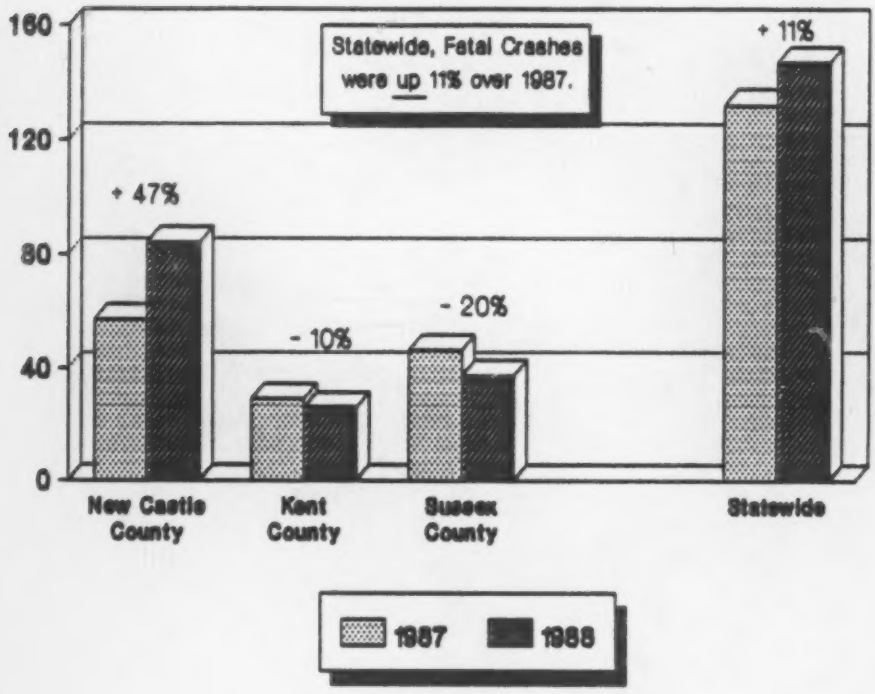
1975 - 1988

YEAR	ALL CRASHES	FATAL CRASHES	PERSONAL INJURY CRASHES	PROPERTY DAMAGE CRASHES	PERSONS KILLED	PERSONS INJURED
1975	13,373	108	4,550	8,715	127	6,677
1976	13,348	110	4,387	8,851	122	6,447
1977	14,554	108	4,880	9,566	125	7,150
1978	15,402	113	4,564	10,725	126	6,786
1979	16,195	111	4,738	11,346	121	7,046
1980	16,378	139	4,896	11,343	158	7,341
1981	16,269	104	4,726	11,439	112	7,133
1982	16,436	116	4,760	11,560	123	7,228
1983	16,308	100	4,596	11,612	112	6,930
1984	18,309	118	5,221	12,970	130	7,893
1985	19,034	95	5,499	13,440	105	8,506
1986	19,876	121	5,928	13,827	138	9,335
1987	20,339	132	5,813	14,394	147	8,915
1988	19,790	147	5,878	13,765	165	9,245

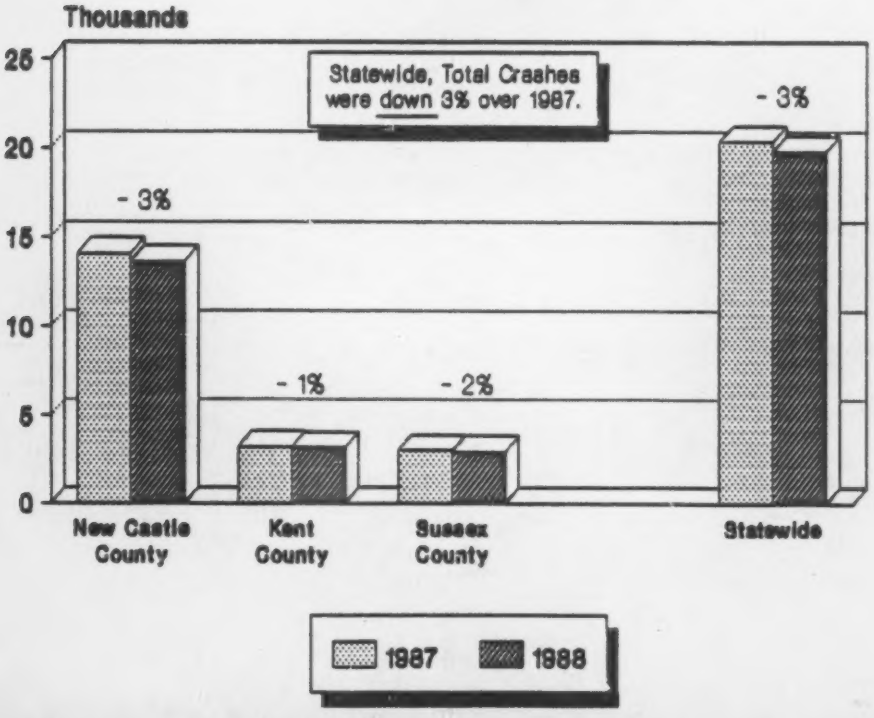
CRASH COMPARISON
by County

	1988	1987	% CHANGE
NEW CASTLE COUNTY			
Fatal Crashes	84	57	↓ 47%
Personal Injury Crashes	3849	3867	← 0%
Property Damage Crashes	9740	10189	↑ 4%
Total Crashes	13673	14113	↑ 3%
Fatalities	95	64	↓ 48%
Injuries	6052	5911	↓ 2%
KENT COUNTY			
Fatal Crashes	26	29	↑ 10%
Personal Injury Crashes	1015	976	↓ 4%
Property Damage Crashes	2141	2214	↑ 3%
Total Crashes	3182	3219	↑ 1%
Fatalities	28	32	↑ 13%
Injuries	1572	1506	↓ 4%
SUSSEX COUNTY			
Fatal Crashes	37	46	↑ 20%
Personal Injury Crashes	1014	970	↓ 5%
Property Damage Crashes	1884	1991	↑ 5%
Total Crashes	2935	3007	↑ 2%
Fatalities	42	51	↑ 18%
Injuries	1621	1498	↓ 8%
STATEWIDE			
Fatal Crashes	147	132	↓ 11%
Personal Injury Crashes	5878	5813	↓ 1%
Property Damage Crashes	13765	14394	↑ 4%
Total Crashes	19790	20339	↑ 3%
Fatalities	165	147	↓ 12%
Injuries	9245	8915	↓ 4%

FATAL CRASHES



TOTAL CRASHES



MAJOR HOLIDAY PERIODS

CRASH STATISTICS

1984 - 1988

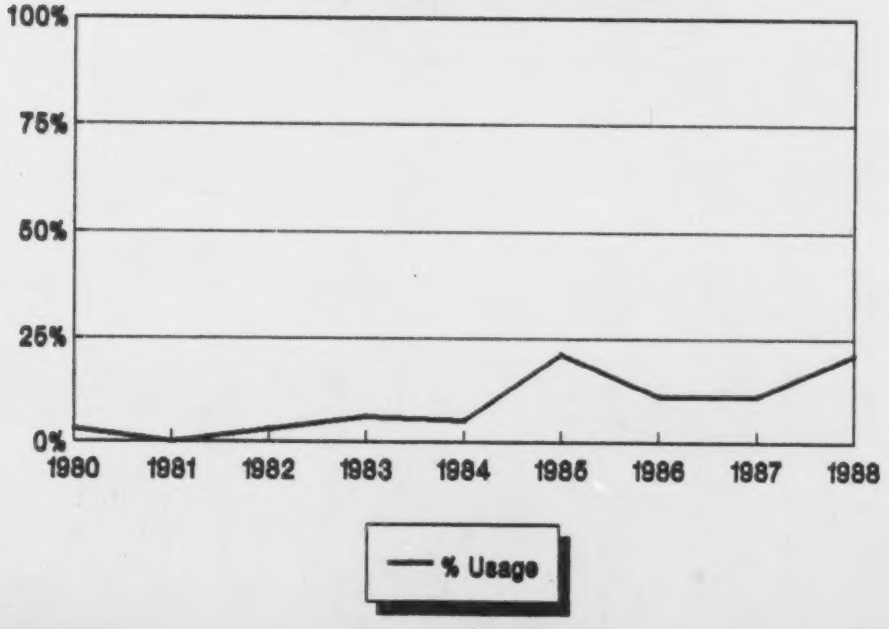
	ALL CRASHES	FATAL CRASHES	PERSONAL INJURY CRASHES	PROPERTY DAMAGE CRASHES	PERSONS KILLED	PERSONS INJURED
NEW YEARS						
'83-'84	100	0	26	74	0	70
'84-'85	230	2	70	158	2	125
'85-'86	109	0	38	71	0	62
'86-'87	240	0	63	177	0	91
'87-'88	157	3	43	111	3	93
MEMORIAL DAY						
1984	191	1	59	131	1	133
1985	124	0	47	77	0	88
1986	145	2	57	86	4	107
1987	102	1	29	72	1	45
1988	169	2	62	105	2	96
FOURTH OF JULY						
1984	52	0	11	41	1	50
1985	218	2	67	149	2	133
1986	201	2	70	129	3	140
1987	163	2	51	110	2	89
1988	174	2	53	119	2	87
LABOR DAY						
1984	176	3	66	107	3	114
1985	135	1	60	74	1	112
1986	169	0	53	116	0	118
1987	130	2	39	89	2	55
1988	208	0	70	138	0	118
THANKSGIVING						
1984	192	1	52	139	1	91
1985	323	1	87	235	1	171
1986	208	4	53	151	4	141
1987	323	0	90	233	0	157
1988	218	3	59	156	3	95
CHRISTMAS						
1984	236	2	77	157	2	177
1985	110	1	30	79	2	69
1986	157	0	58	99	0	157
1987	217	1	65	151	1	101
1988	194	3	62	129	3	92

NOTE: The number of crashes and injuries is influenced by the length of the Holiday weekend.

SEATBELT USAGE
in Occupant Fatalities

YEAR	Total Occupants Killed	Number Wearing Seatbelts	% Usage
1988	123	26	21%
1987	108	12	11%
1986	111	12	11%
1985	63	13	21%
1984	98	5	5%
1983	82	5	6%
1982	78	2	3%
1981	81	0	0%
1980	120	4	3%

SEATBELT USAGE
in Occupant Fatalities

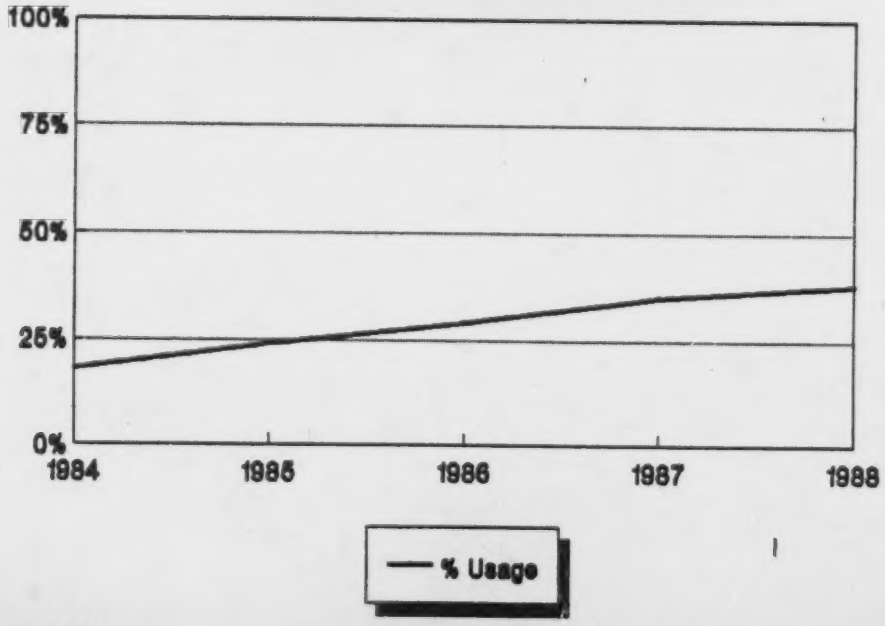


1980-1988

SEATBELT USAGE
in Occupant Injuries

YEAR	Total Occupants Injured	Number Wearing Seatbelts	% Usage
1988	8547	3244	**38%**
1987	8072	2825	**35%**
1986	8462	2466	**29%**
1985	7696	1858	**24%**
1984	7153	1298	**18%**

SEATBELT USAGE
in Occupant Injuries



1984-1988

SEATBELT STUDY
1986 - 1988

From 1986 through 1988, there have been

25,584 occupants

killed or injured in Delaware traffic crashes.

Of those 25,584 occupants:

17,017 were not wearing their seatbelts (66%)

8366 were wearing their seatbelts (33%)

204 unknown seatbelt usage (1%)

DISTRIBUTION OF INJURIES

	Sustained a Fatal Injury	Sustained an Incapacitating Injury	Sustained a Minor Injury
Those persons not wearing their seatbelts	1.8%	13.9%	84.3%
Those persons wearing their seatbelts	.6%	8.5%	90.9%

When comparing the severity of injuries between those who did not wear their seatbelts, compared to those who did, it was found that:

15.7% of the people who did not wear their seatbelts were seriously injured (a fatal or incapacitating injury)

while only

9.1% of the people who wore their seatbelts were seriously injured.

Translating those percentages to actual persons; over **1,100** more persons were killed or critically injured because they were not wearing their seatbelts.

Note: This study's focus is only on those persons who were injured in traffic crashes. It does not include the people who received no injuries as a result of wearing their seatbelts.

CRASH DATA

The following pages contain information on the number of crashes (fatal crashes, personal injury crashes, and property damage crashes) by:

- **Type of Crash**
- **Contributing Circumstances**
- **Road Conditions**
- **Light Conditions**
- **Type of Vehicle**
- **Sex of Driver**
- **Age of Driver**
- **Driver's Residence**
- **Day of Week**
- **Time of Day**
- **Contributing Police Agencies**

TYPE OF CRASH

Type of Crash	All Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes
Overturning	393	10	202	181
Other Non-Collision	117	0	71	46
Pedestrian	310	25	283	2
Motor Vehicle in Transport	13766	69	3897	9800
Motor Vehicle on Other Roadway	27	0	8	19
Parked Motor Vehicle	1589	3	135	1451
Railway Train	11	1	7	3
Pedalcyclist	185	3	178	4
Animal	381	0	18	363
Fixed Object	2761	35	1006	1720
Other Object	248	1	73	174
Other	2	0	0	2
TOTALS:	19790	147	5878	13765

CONTRIBUTING CIRCUMSTANCES

Contributing Circumstances	All Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes
Speed too Fast	1867	17	592	1258
Failed to Yield Right of Way	2812	13	907	1892
Passed Stop Sign	930	5	319	606
Disregard Traffic Signal	1152	12	475	665
Drove Left of Center	485	7	129	349
Improper Overtaking	527	0	92	435
Followed too Closely	1613	0	402	1211
Made Improper Turn	916	2	185	729
Had Been Drinking	1231	38	582	611
Other Improper Driving	734	1	215	518
Mechanical Defect	421	1	123	297
Inattention	1428	5	414	1009
Other	5674	46	1443	4185
TOTALS:	19790	147	5878	13765

ROAD CONDITIONS

Road Surface Condition	All Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes
Dry	14310	125	4421	9764
Wet	4390	17	1259	3114
Snowy/Icy	1043	5	197	841
Other	47	0	1	46
TOTALS:	19790	147	5878	13765

LIGHT CONDITIONS

Light Condition	All Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes
Daylight	12440	58	3618	8764
Dawn/Dusk	848	8	266	574
Darkness	6423	81	1993	4349
Not Stated	79	0	1	78
TOTALS:	19790	147	5878	13765

TYPE OF VEHICLE

Type of Vehicle	All Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes
Passenger Car	28019	159	8162	19698
Passenger Car & Trailer	25	0	6	19
Truck or Truck Tractor	690	6	177	507
Truck Tractor & Semi	780	16	195	569
Other Truck Combination	60	0	12	48
Farm Tractor &/or Farm Equipment	26	0	5	21
Bus	95	2	19	74
School Bus	146	2	28	116
Motorcycle	330	10	243	77
Other	5934	46	1596	4292
Not Stated	938	3	115	820
TOTALS:	37043	244	10558	26241

SEX OF DRIVER

Sex of Driver	All Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes
Male	20804	177	6144	14483
Female	12469	60	3952	8457
Not Stated	1783	3	220	1560
TOTALS:	35056	240	10316	24500

AGE OF DRIVER

Age of Driver	All Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes
15 & Under	70	2	27	41
16	1045	6	325	714
17	1306	8	411	887
18 - 19	2553	18	785	1750
20 - 24	5816	38	1833	3945
25 - 34	8651	69	2630	5952
35 - 44	5750	44	1752	3954
45 - 54	3331	21	942	2368
55 - 64	2494	16	738	1740
65 & Older	2079	15	615	1449
Not Stated	1961	3	258	1700
TOTALS:	35056	240	10316	24500

DRIVER'S RESIDENCE

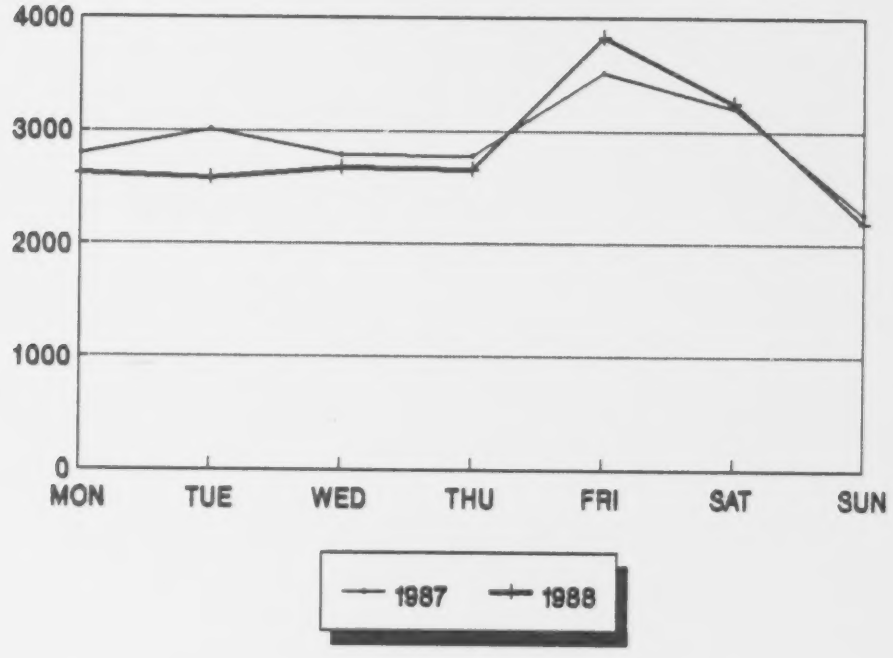
Residence	All Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes
Local Residence	26784	183	8163	18438
Non-Residence of Delaware	6485	54	1930	4501
Not Stated	1787	3	223	1561
TOTALS:	**35056**	**240**	**10316**	**24500**

DAY OF WEEK

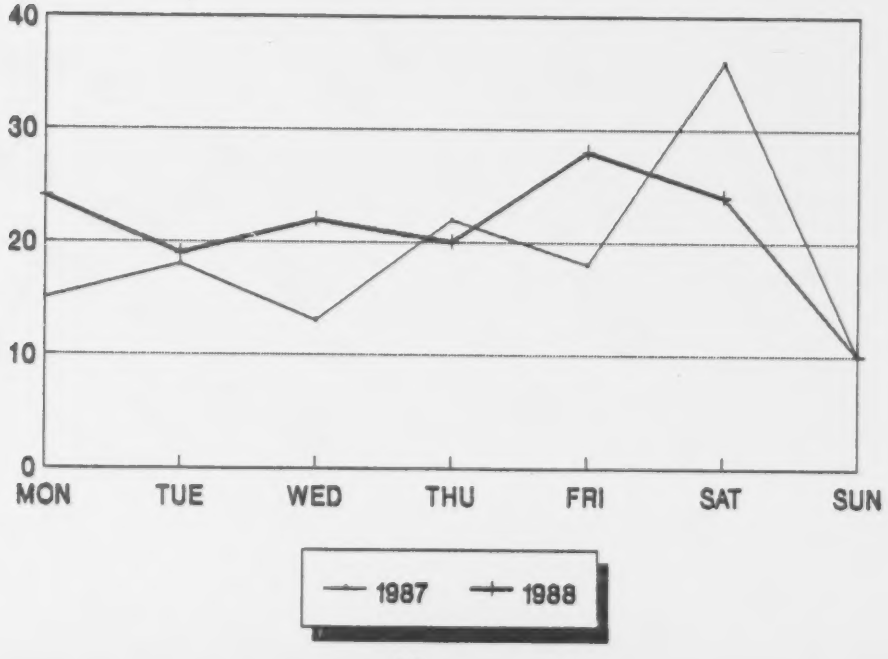
ALL CRASHES and FATAL CRASHES

DAY OF WEEK	ALL CRASHES		FATAL CRASHES	
	1988	1987	1988	1987
Monday	2616	2787	24	15
Tuesday	2580	3006	19	18
Wednesday	2673	2784	22	13
Thursday	2657	2776	20	22
Friday	3828	3514	28	18
Saturday	3249	3207	24	36
Sunday	2187	2265	10	10
TOTALS:	19790	20339	147	132

ALL CRASHES
by Day of Week



FATAL CRASHES
by Day of Week

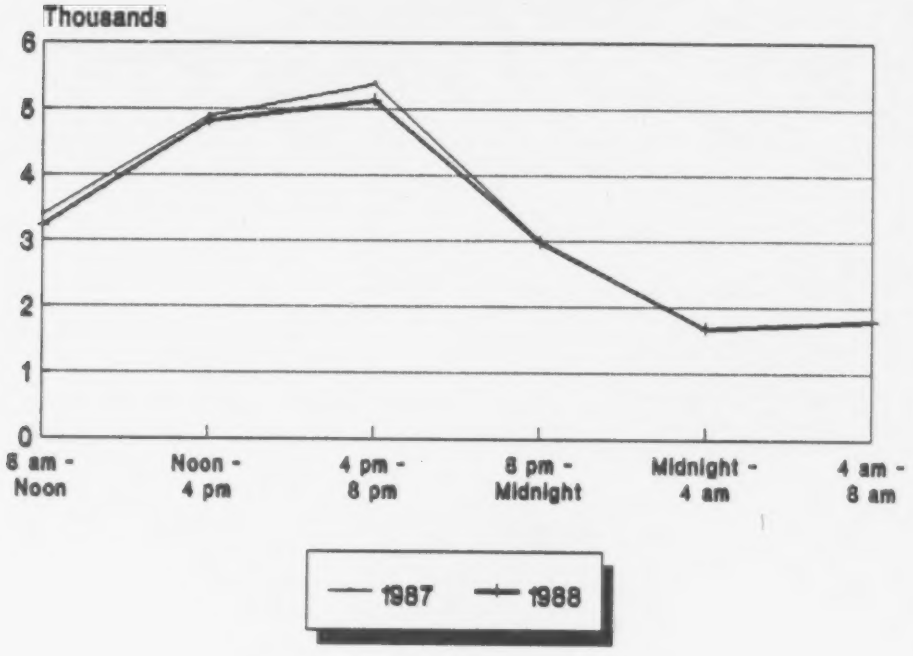


TIME OF DAY

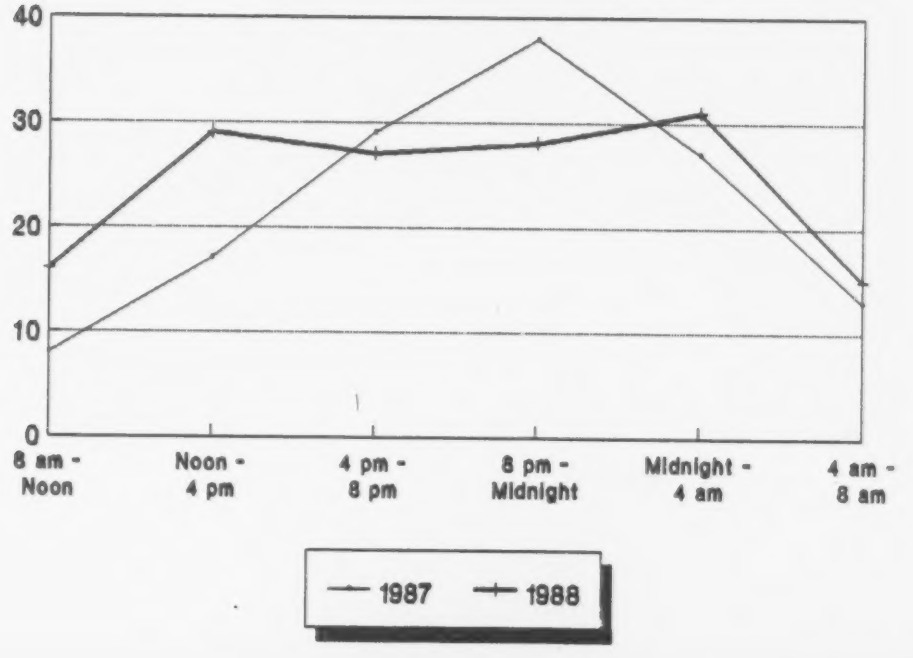
ALL CRASHES and FATAL CRASHES

TIME OF DAY	ALL CRASHES		FATAL CRASHES	
	1988	1987	1988	1987
8 am - Noon	3229	3390	16	8
Noon - 4 pm	4813	4894	29	17
4 pm - 8 pm	5131	5376	27	29
8 pm - Midnight	2970	3008	28	38
Midnight - 4 am	1673	1671	31	27
4 am - 8 am	1795	1788	15	13
Not Stated	179	212	1	0
TOTALS:	19790	20339	147	132

ALL CRASHES
by Time of Day



FATAL CRASHES
by Time of Day



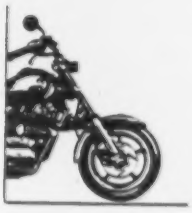
CONTRIBUTING POLICE AGENCIES

Police Agency	All Crashes		Fatal Crashes		Personal Injury Crashes		Property Damage Crashes	
	88	87	88	87	88	87	88	87
Delaware State Police	10612	10672	118	97	3395	3393	7099	7182
Bethany Beach	4	43	0	1	1	9	3	33
Bethel	1	0	0	0	0	0	1	0
Blades	0	1	0	0	0	0	0	1
Bridgeville	10	1	0	0	3	0	7	1
Camden-Wyoming	15	4	0	1	0	1	15	2
Clayton	0	2	0	0	0	0	0	2
Dagsboro	10	12	0	0	4	6	6	6
DE River & Bay Authority	155	150	2	0	44	29	109	121
Delmar	25	17	0	0	2	3	23	14
Dewey Beach	30	36	0	0	7	8	23	28
Dover	1420	1462	7	5	409	392	1004	1065
Elsmere	112	122	0	0	37	39	75	83
Fenwick	0	0	0	0	0	0	0	0
Frederica	5	2	0	0	3	1	2	1
Georgetown	49	41	0	0	11	5	38	36
Greenwood	5	11	0	1	3	3	2	7
Harrington	25	21	0	1	4	4	21	16

CONTRIBUTING POLICE AGENCIES

Police Agency	All Crashes		Fatal Crashes		Personal Injury Crashes		Property Damage Crashes	
	88	87	88	87	88	87	88	87
Laurel	75	69	0	2	20	16	55	51
Lewes	31	33	0	0	4	7	27	26
Milford	194	203	0	2	59	67	135	134
Millsboro	59	47	0	0	21	12	38	35
Milton	4	3	0	0	2	1	2	2
Newark	784	896	2	2	251	297	531	597
New Castle City	37	49	0	0	9	8	28	41
New Castle Co.	2588	2589	12	12	684	630	1892	1947
Newport	66	81	0	1	16	21	50	59
Ocean View	10	7	0	0	4	2	6	5
Rehoboth Beach	100	117	0	1	31	26	69	90
South Bethany Beach	3	6	0	0	1	0	2	6
Seaford	162	170	0	2	49	48	113	120
Smyrna	104	133	1	2	29	30	74	101
Wilmington	3095	3339	5	2	775	755	2315	2582
TOTALS:	19790	20339	147	132	5878	5813	13765	14394

MOTORCYCLE CRASHES



In 1988:

- There were 321 traffic crashes which involved a motorcycle.
- 3% of the crashes were fatal crashes.
- 76% of the crashes were personal injury crashes.
- 21% of the crashes were property damage crashes.
- Of the 11 motorcyclists killed in 1988, 5 were wearing helmets.
- Of the 11 motorcyclists killed, 7 had a positive BAC.
- The death rate for motorcyclists was 14.16 per 10,000 registrations - compared to a death rate of 2.97 for all vehicles registered.

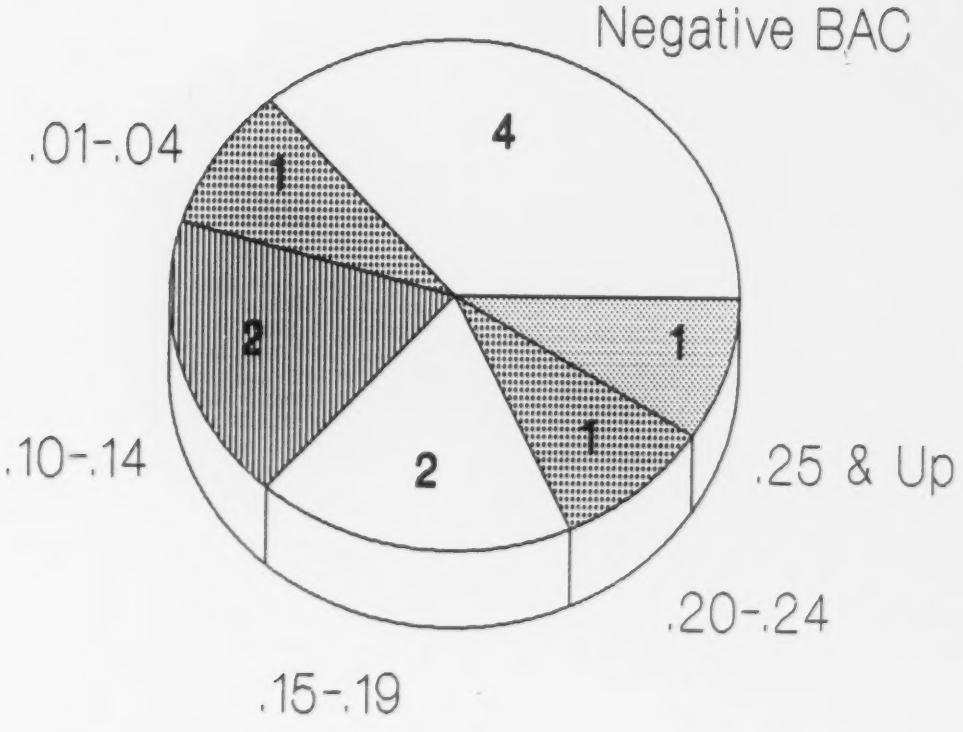
MOTORCYCLE CRASHES

1977 - 1988

Year	Reg. Motor-cycles	All Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Motor-cyclists Killed	Number of Victims wearing Helmets
1977	8,144	290	3	261	26	4	1
1978	8,550	292	8	253	31	8	3
1979	11,494	384	12	317	55	13	3
1980	8,941	404	16	337	51	16	3
1981	9,451	354	7	290	57	8	2
1982	9,363	375	17	290	68	18	7
1983	8,830	331	10	276	45	10	2
1984	8,625	295	7	228	60	7	2
1985	8,360	333	17	270	46	19	6
1986	8,124	310	6	257	47	6	1
1987	7,455	315	14	253	48	14	3
1988	7,768	321	10	245	66	11	5

MOTORCYCLE CRASHES
BAC Information of Motorcyclists Killed

Out of the 11
Motorcyclists killed:



64% of the motorcyclists killed had a positive BAC

PEDESTRIAN CRASHES

In 1988:

- There were 318 traffic crashes which involved a pedestrian.
- 9% of the crashes were fatal crashes.
- 91% of the crashes were personal injury crashes.
- 1% of the crashes were property damage crashes.
- Of the 28 pedestrians killed in 1988, 17 had a positve BAC.

Pedestrians Killed and Injured

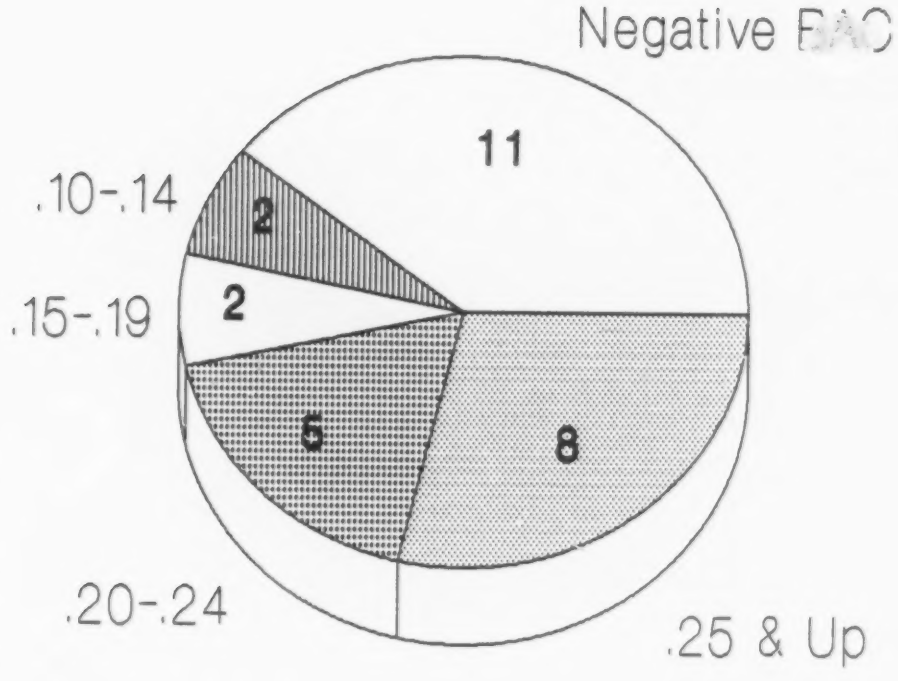
by AGE

1986 - 1988

Age of Pedestrian	1988 Killed	1988 Injured	1987 Killed	1987 Injured	1986 Killed	1986 Injured
0 - 4	0	21	1	40	0	28
5 - 9	1	79	1	72	0	66
10 - 14	0	34	1	39	0	34
15 - 19	2	28	1	32	2	31
20 - 24	2	36	2	28	3	35
25 - 34	9	40	3	48	3	37
35 - 44	5	31	2	31	3	26
45 - 54	2	18	2	20	1	12
55 - 64	4	9	3	19	4	13
65 - 74	2	5	5	6	0	11
75 & Older	1	11	2	7	1	8
Unknown	0	2	0	2	0	0
TOTALS:	28	314	23	344	17	301

PEDESTRIAN CRASHES
BAC Information of Pedestrians Killed

Out of the 28
Pedestrians killed:



61% of the pedestrians killed had a positive BAC

BICYCLE CRASHES

In 1988:

- There were 185 traffic crashes which involved a bicyclist.
- 2% of the crashes were fatal crashes.
- 96% of the crashes were personal injury crashes.
- 2% of the crashes were property damage crashes.
- None of the 3 fatal crashes were alcohol related.
- Children under 15 years of age accounted for 57% of the bicyclist's injuries.

Bicyclists Killed and Injured

by AGE

1986 - 1988

Age of Bicyclist	1988 Killed	1988 Injured	1987 Killed	1987 Injured	1986 Killed	1986 Injured
0 - 4	0	6	0	4	0	3
5 - 9	0	40	1	44	2	40
10 - 14	1	58	0	53	0	71
15 - 19	2	27	1	39	1	48
20 - 24	0	20	0	32	0	27
25 - 34	0	14	0	20	0	19
35 - 44	0	9	0	9	1	3
45 - 54	0	2	0	3	0	7
55 - 64	0	2	0	4	0	3
65 - 74	0	3	0	0	0	4
75 & Older	0	0	0	0	0	0
Unknown	0	1	0	1	0	0
TOTALS:	3	182	2	209	4	223

ALCOHOL INVOLVEMENT

in

TRAFFIC CRASHES

ALCOHOL INVOLVEMENT

in

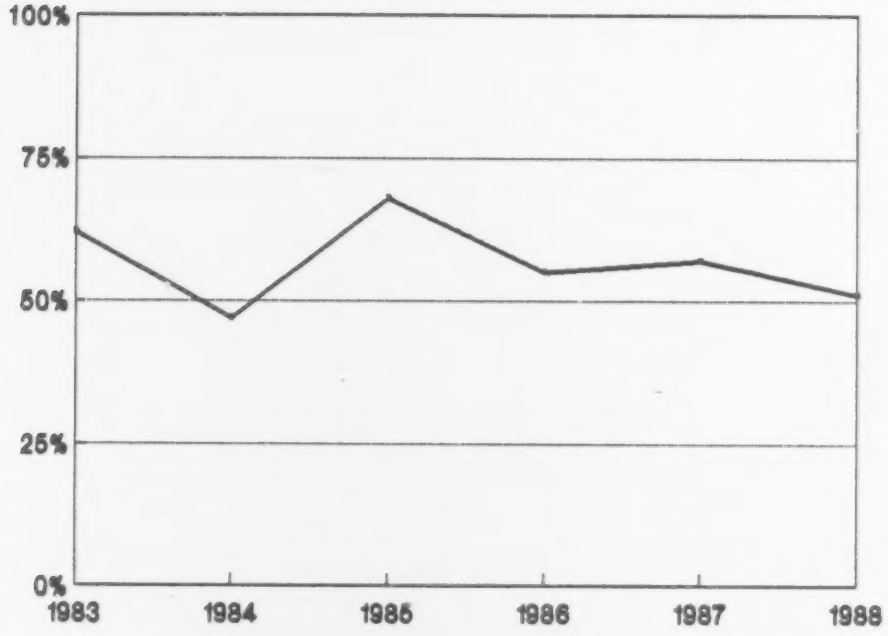
TRAFFIC CRASHES

1983 - 1988

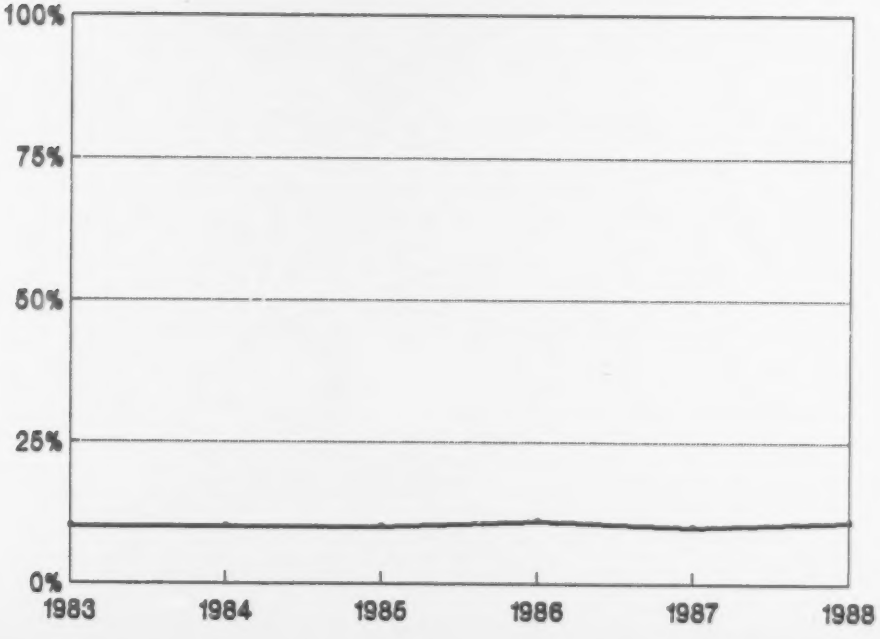
	TOTAL CRASHES	*ALCOHOL RELATED CRASHES*	% OF TOTAL
FATALS			
1983	100	62	62%
1984	118	56	47%
1985	95	65	68%
1986	121	67	55%
1987	132	75	57%
1988	147	75	51%
PERSONAL INJURY			
1983	4596	914	20%
1984	5221	1077	21%
1985	5499	1051	19%
1986	5928	1061	18%
1987	5813	974	17%
1988	5878	990	17%
PROPERTY DAMAGE			
1983	11612	604	5%
1984	12970	638	5%
1985	13440	830	6%
1986	13827	1112	8%
1987	14394	1060	7%
1988	13765	1109	8%
ALL CRASHES			
1983	16308	1580	10%
1984	18309	1771	10%
1985	19034	1946	10%
1986	19876	2240	11%
1987	20339	2109	10%
1988	19790	2174	11%

Trend: While the actual <u>number</u> of alcohol related fatal crashes has been steadily increasing since 1983, the <u>percent</u> of all fatal crashes that are alcohol related has been decreasing.

Percentage of Fatal Crashes that were Alcohol Related



Percentage of Total Crashes that were Alcohol Related



ALCOHOL INVOLVEMENT

in

TRAFFIC FATALITIES & INJURIES

1983 - 1988

	TOTAL FATALITIES	*ALCOHOL RELATED FATALITIES*	% OF TOTAL
1983	112	73	65%
1984	130	64	49%
1985	105	73	70%
1986	138	80	58%
1987	147	83	56%
1988	165	85	52%

	TOTAL INJURIES	*ALCOHOL RELATED INJURIES*	% OF TOTAL
1983	6930	1420	20%
1984	7893	1695	21%
1985	8506	1668	20%
1986	9335	1754	19%
1987	8915	1525	17%
1988	9245	1597	17%

Trend: While the actual <u>number</u> of alcohol related fatalities has been increasing over the past 5 years, the <u>percent</u> of all fatalities that are alcohol related has been decreasing.

TRAFFIC CRASH FATALITIES

by

AGE and SEX

1988

AGE	MALE	FEMALE	TOTAL
0 - 4	1	1	2
5 - 9	0	2	2
10 - 14	2	1	3
15 - 19	11	11	22
20 - 24	19	7	26
25 - 34	37	10	47
35 - 44	17	6	23
45 - 54	6	4	10
55 - 64	7	6	13
65 - 74	5	6	11
75 & Older	2	4	6
TOTALS:	107	58	165

ALCOHOL RELATED

TRAFFIC CRASH FATALITIES

by

AGE and SEX

1988

AGE	MALE	FEMALE	TOTAL
0 - 4	0	1	1
5 - 9	0	0	0
10 - 14	0	1	1
15 - 19	4	4	8
20 - 24	15	4	19
25 - 34	27	7	34
35 - 44	13	2	15
45 - 54	2	0	2
55 - 64	5	0	5
65 - 74	0	0	0
75 & Older	0	0	0
TOTALS:	66	19	85

DRIVERS KILLED

by

AGE and SEX

AGE	MALE	FEMALE	TOTAL
16	0	0	0
17	1	0	1
18	2	3	5
19	3	2	5
20	2	2	4
16 - 20	8	7	15
21 - 25	17	3	20
26 - 30	13	5	18
31 - 35	7	2	9
36 - 45	11	3	14
46 - 55	3	4	7
56 - 65	2	2	4
66 - 75	3	2	5
76 & Older	2	0	2
TOTALS:	66	28	94

DRINKING DRIVERS KILLED

by

AGE and SEX

AGE	MALE	FEMALE	TOTAL
16	0	0	0
17	0	0	0
18	1	0	1
19	1	1	2
20	1	1	2
16 - 20	3	2	5
21 - 25	**12**	**1**	**13**
26 - 30	9	3	12
31 - 35	3	0	3
36 - 45	7	1	8
46 - 55	1	0	1
56 - 65	1	0	1
66 - 75	0	0	0
76 & Older	0	0	0
TOTALS:	**36**	**7**	**43**

BLOOD ALCOHOL CONTENT DATA

on

DRIVERS KILLED

Number of Drivers Killed: 94

Number of BAC's Obtained: 91

Percent of BAC's Obtained: 97%

Of the 91 BAC's Obtained:

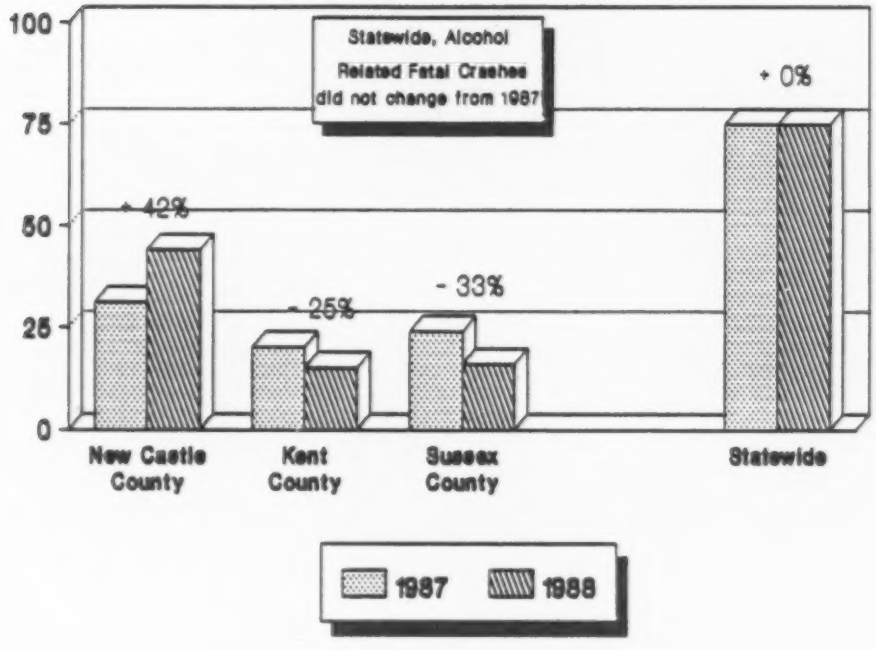
Negative BAC	49
.01 - .04	2
.05 - .09	4
.10 - .14	8
.15 - .19	5
.20 - .24	14
.25 & Higher	9
Unknown (HBD)	1
Unknown (HNBD)	2

HBD - Had been drinking
HNBD - Had not been drinking

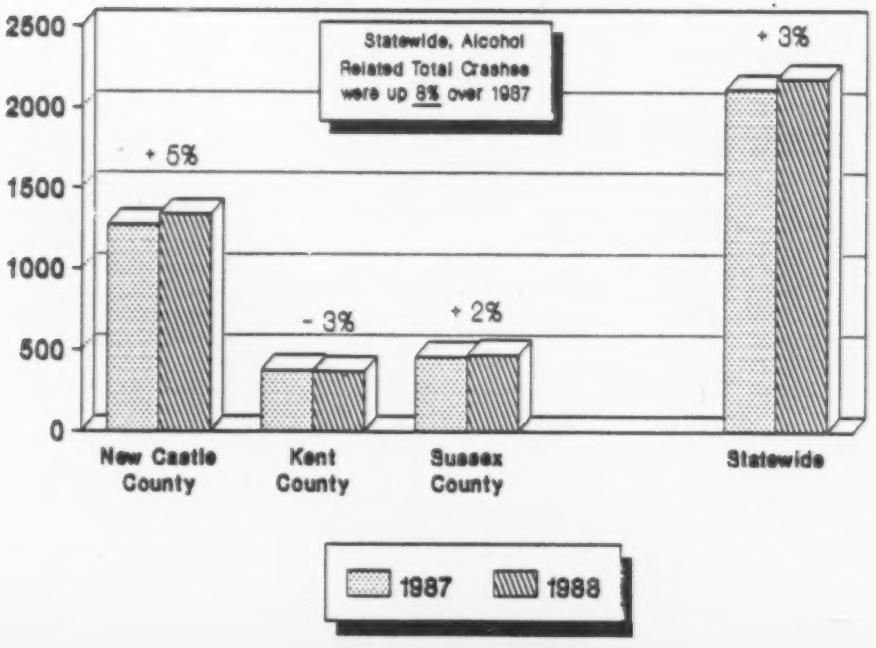
ALCOHOL RELATED CRASH COMPARISON

	1988	1987	% CHANGE
NEW CASTLE COUNTY			
Fatal Crashes	44	31	↓ 42%
Personal Injury Crashes	597	545	↓ 10%
Property Damage Crashes	696	696	← 0%
Total Crashes	1337	1272	↓ 5%
Fatalities	51	34	↓ 50%
Injuries	1003	861	↓ 16%
KENT COUNTY			
Fatal Crashes	15	20	25% ↑
Personal Injury Crashes	168	189	11% ↑
Property Damage Crashes	184	169	↓ 9%
Total Crashes	367	378	3% ↑
Fatalities	16	21	24% ↑
Injuries	256	286	10% ↑
SUSSEX COUNTY			
Fatal Crashes	16	24	33% ↑
Personal Injury Crashes	225	240	6% ↑
Property Damage Crashes	229	195	↓ 17%
Total Crashes	470	459	↓ 2%
Fatalities	18	28	36% ↑
Injuries	338	378	11% ↑
STATEWIDE			
Fatal Crashes	75	75	← 0%
Personal Injury Crashes	990	974	↓ 2%
Property Damage Crashes	1109	1060	↓ 5%
Total Crashes	2174	2109	↓ 3%
Fatalities	85	83	↓ 2%
Injuries	1597	1525	↓ 5%

ALCOHOL RELATED FATAL CRASHES



ALCOHOL RELATED TOTAL CRASHES



ALCOHOL RELATED

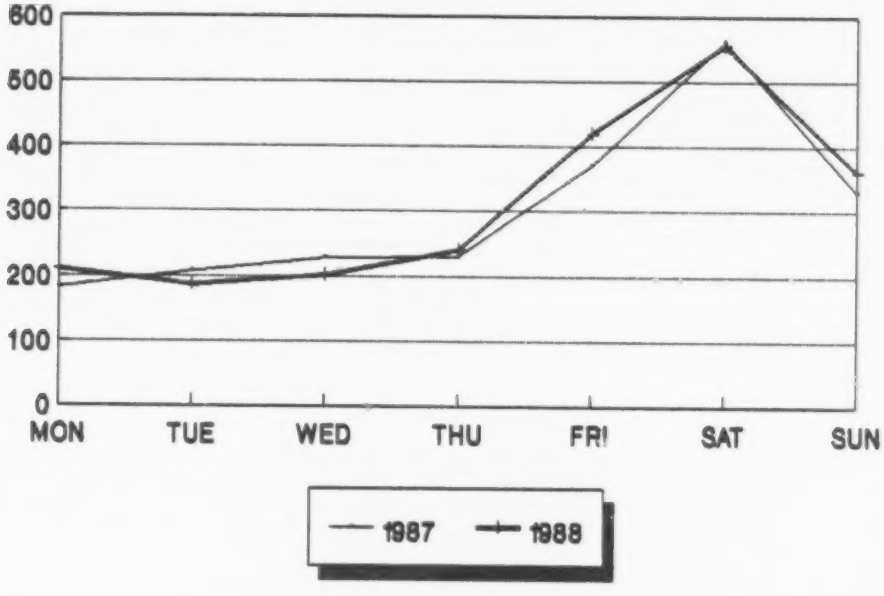
ALL CRASHES and FATAL CRASHES

by

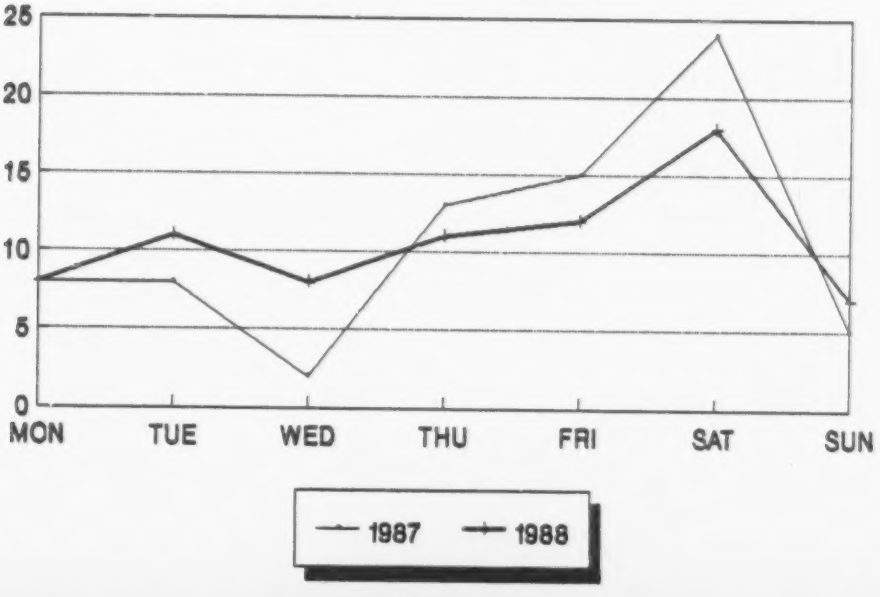
DAY OF WEEK

DAY OF WEEK	ALL CRASHES		FATAL CRASHES	
	1988	1987	1988	1987
Monday	210	182	8	8
Tuesday	187	207	11	8
Wednesday	201	229	8	2
Thursday	240	230	11	13
Friday	419	370	12	15
Saturday	556	561	18	24
Sunday	361	330	7	5
TOTALS:	**2174**	**2109**	**75**	**75**

ALCOHOL RELATED
TOTAL CRASHES
by Day of Week



ALCOHOL RELATED
FATAL CRASHES
by Day of Week



ALCOHOL RELATED

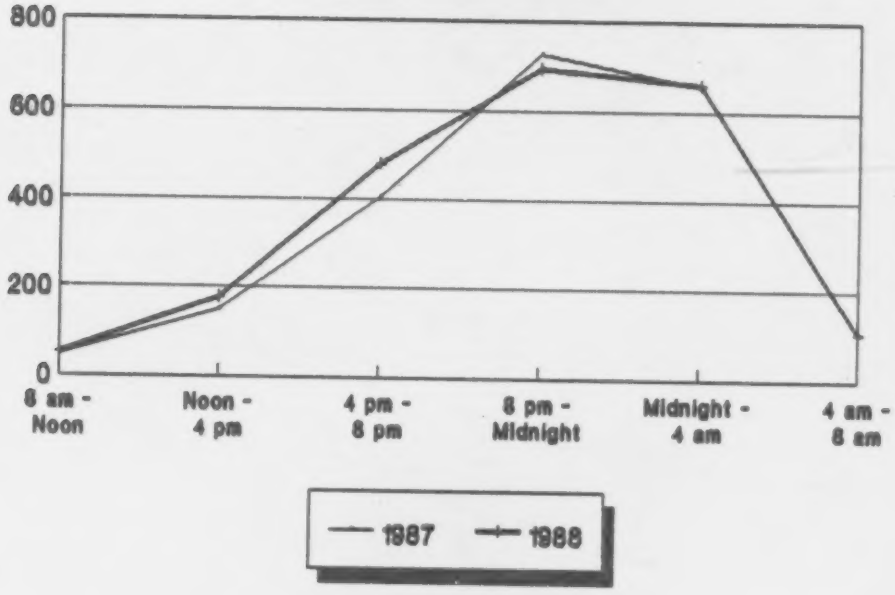
ALL CRASHES and FATAL CRASHES

by

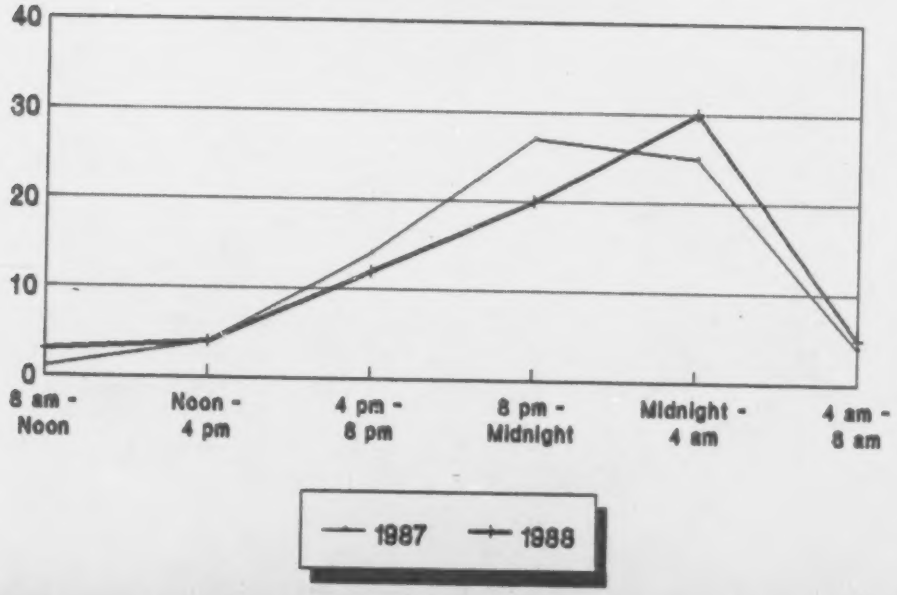
TIME OF DAY

TIME OF DAY	ALL CRASHES 1988	ALL CRASHES 1987	FATAL CRASHES 1988	FATAL CRASHES 1987
8 am - Noon	52	47	3	1
Noon - 4 pm	177	149	4	4
4 pm - 8 pm	480	405	12	14
8 pm - Midnight	694	728	20	27
Midnight - 4 am	660	655	30	25
4 am - 8 am	105	103	5	4
Not Stated	6	22	1	0
TOTALS:	2174	2109	75	75

ALCOHOL RELATED
TOTAL CRASHES
by Time of Day



ALCOHOL RELATED
FATAL CRASHES
by Time of Day



1988

DELAWARE STATE POLICE

TRAFFIC ENFORCEMENT SUMMARY

BASIC FACT SHEET
CRASH INVESTIGATION
BY
DELAWARE STATE POLICE

ALL CRASHES	1984	1985	1986	1987	1988	% CHANGE OVER 1984
TOTAL CRASHES	9,646	9,799	10,296	10,672	10,612	↑ 10%
FATAL	92	75	97	97	118	↑ 28%
PERSONAL INJURY	3,069	3,247	3,440	3,393	3,395	↑ 11%
PROPERTY DAMAGE	6,485	6,477	6,759	7,182	7,099	↑ 9%
FATALITIES	102	83	111	106	132	↑ 29%
INJURIES	4,876	5,245	5,595	5,450	5,500	↑ 13%

ALCOHOL RELATED	1984	1985	1986	1987	1988	% CHANGE OVER 1984
TOTAL CRASHES	1,107	1,246	1,516	1,364	1,350	↑ 22%
FATAL	44	53	53	58	62	↑ 41%
PERSONAL INJURY	720	674	761	672	629	↓ 13%
PROPERTY DAMAGE	343	519	702	634	659	↑ 92%
FATALITIES	50	59	63	64	69	↑ 38%
INJURIES	1,144	1,095	1,289	1,084	1,001	↓ 13%

INSURANCE REQUESTS	1984	1985	1986	1987	1988	% CHANGE OVER 1984
REQUESTS PROCESSED	9,380	10,979	11,240	13,637	14,812	↑ 58%

BASIC FACT SHEET
TRAFFIC ENFORCEMENT
BY
DELAWARE STATE POLICE

TRAFFIC ARRESTS	1984	1985	1986	1987	1988	% CHANGE OVER 1984
TOTAL ARRESTS	75,057	85,917	89,954	91,398	94,796	↑26%
DUI ARRESTS	3,355	3,435	3,499	3,612	3,711	↑11%
SPEED ARRESTS	36,846	47,963	50,567	51,466	48,630	↑32%
RADAR ARRESTS	34,739	45,828	48,387	49,017	44,319	↑28%
55 MPH ARRESTS	19,219	27,362	27,619	26,853	23,932	↑25%

TRUCK ENFORCEMENT	1984	1985	1986	1987	1988	% CHANGE OVER 1984
# WEIGHED	191,860	219,238	220,884	91,622	42,978	78% ↓
WEIGHT ARRESTS	1,150	682	403	470	421	63% ↓
MOTOR FUEL TAX ARRESTS	2.433	2.077	919	1,322	1,081	56% ↓

DELAWARE STATE POLICE

CRASH INVESTIGATION

by TROOP and by COUNTY

TROOP	ALL CRASHES		FATAL CRASHES		PERSONAL INJURY CRASHES		PROPERTY DAMAGE CRASHES	
	88	87	88	87	88	87	88	87
1	1591	1585	9	5	394	378	1188	1202
3	1496	1457	18	19	527	507	951	931
5	1087	1129	20	21	383	362	684	746
6	3866	3985	35	20	1124	1216	2707	2749
7	1194	1197	17	17	452	436	725	744
9	1378	1319	19	15	515	494	844	810
TOTALS:	**10612**	**10672**	**118**	**97**	**3395**	**3393**	**7099**	**7182**

COUNTY	ALL CRASHES		FATAL CRASHES		PERSONAL INJURY CRASHES		PROPERTY DAMAGE CRASHES	
	88	87	88	87	88	87	88	87
NEW CASTLE COUNTY	6835	6889	63	40	2033	2088	4739	4761
KENT COUNTY	1496	1457	18	19	527	507	951	931
SUSSEX COUNTY	2281	2326	37	38	835	798	1409	1490
TOTALS:	**10612**	**10672**	**118**	**97**	**3395**	**3393**	**7099**	**7182**

DELAWARE STATE POLICE

ALCOHOL RELATED CRASH INVESTIGATION

by TROOP and by COUNTY

TROOP	ALL CRASHES		FATAL CRASHES		PERSONAL INJURY CRASHES		PROPERTY DAMAGE CRASHES	
	88	87	88	87	88	87	88	87
1	151	131	1	2	58	50	92	79
3	245	280	12	15	115	141	118	124
5	197	180	8	9	96	95	93	76
6	364	376	20	9	165	171	179	196
7	202	215	8	11	99	113	95	91
9	191	182	13	12	96	102	82	68
TOTALS:	**1350**	**1364**	**62**	**58**	**629**	**672**	**659**	**634**

COUNTY	ALL CRASHES		FATAL CRASHES		PERSONAL INJURY CRASHES		PROPERTY DAMAGE CRASHES	
	88	87	88	87	88	87	88	87
NEW CASTLE COUNTY	706	689	34	23	319	323	353	343
KENT COUNTY	245	280	12	15	115	141	118	124
SUSSEX COUNTY	399	395	16	20	195	208	188	167
TOTALS:	**1350**	**1364**	**62**	**58**	**629**	**672**	**659**	**634**

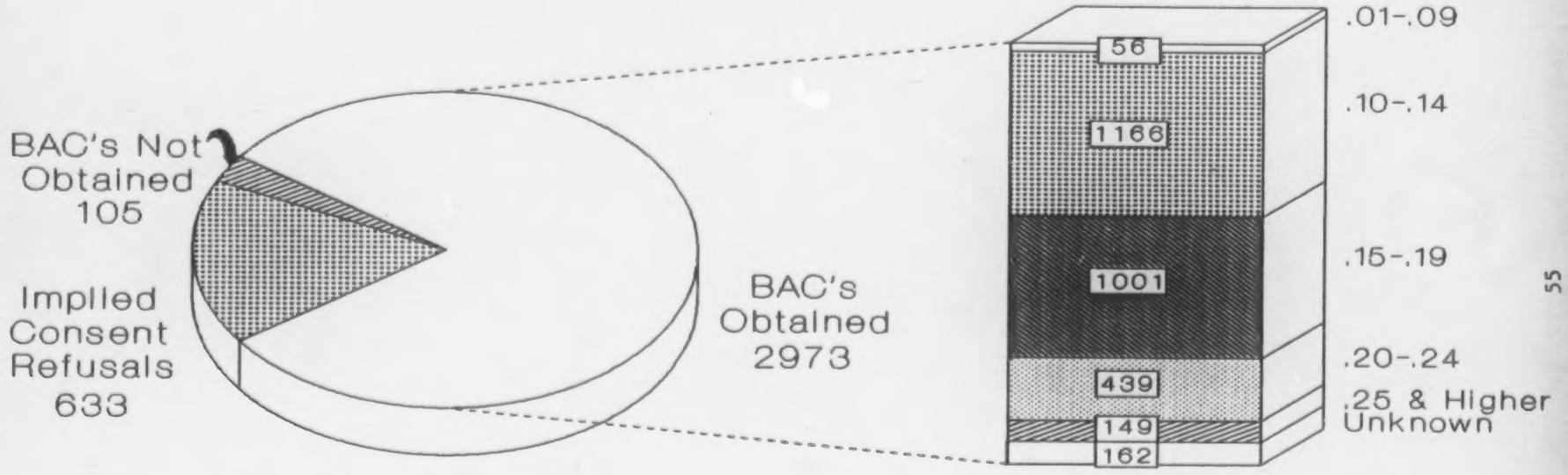
BLOOD ALCOHOL CONTENT DATA
DRIVERS ARRESTED FOR DUI

	1988	1987	1986
# of DUI Arrests	3711	3612	3499
# of BAC's Obtained	2973	2913	2788
# of BAC's Not Obtained	105	79	155
Implied Consent Refusals	633	620	556

DRIVERS ARRESTED FOR DUI
by AGE and SEX

	MALES	FEMALES	TOTAL
15 & Under	2	0	2
16	7	0	7
17	24	3	27
18	40	4	44
19 - 20	168	28	196
21 - 24	539	112	651
25 - 34	1320	215	1535
35 - 44	620	112	732
45 - 54	294	24	318
55 - 64	132	18	150
65 & Older	35	5	40
Unknown	8	1	9
TOTALS:	3198	522	3711

BLOOD ALCOHOL CONTENT DATA
Drivers Arrested for DUI



Total DUI Arrests
3711

Breakdown of the
BAC's Obtained

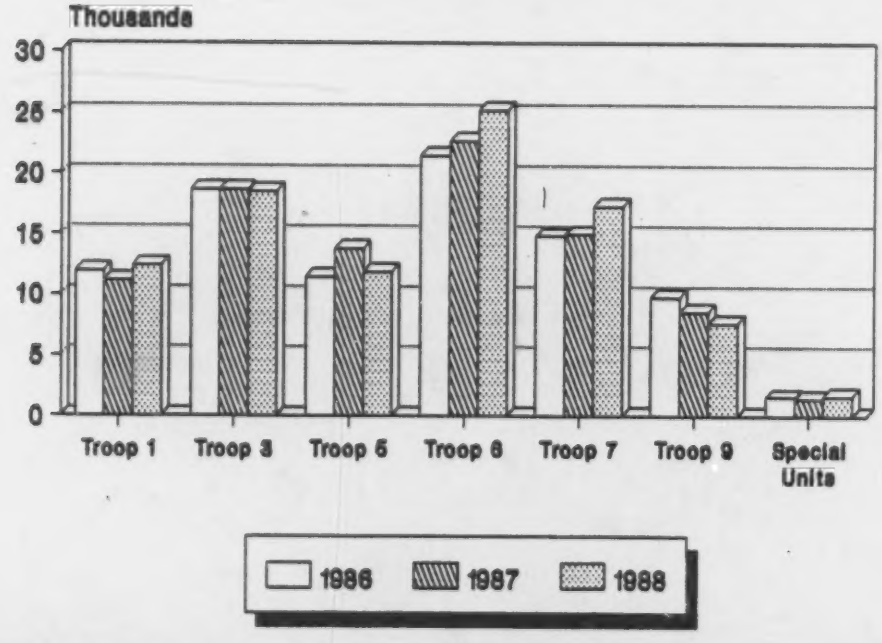
55

1988

ALL TRAFFIC ARRESTS
by Troops

TROOP	1986	1987	1988
1	11,950	11,177	12,427
3	18,701	18,652	18,545
5	11,514	13,835	11,921
6	21,490	22,666	25,237
7	14,897	15,046	17,338
9	9,849	8,596	7,662
Special Units	1,553	1,426	1,666
TOTALS:	89,954	91,398	94,796

ALL TRAFFIC ARRESTS
by Troops

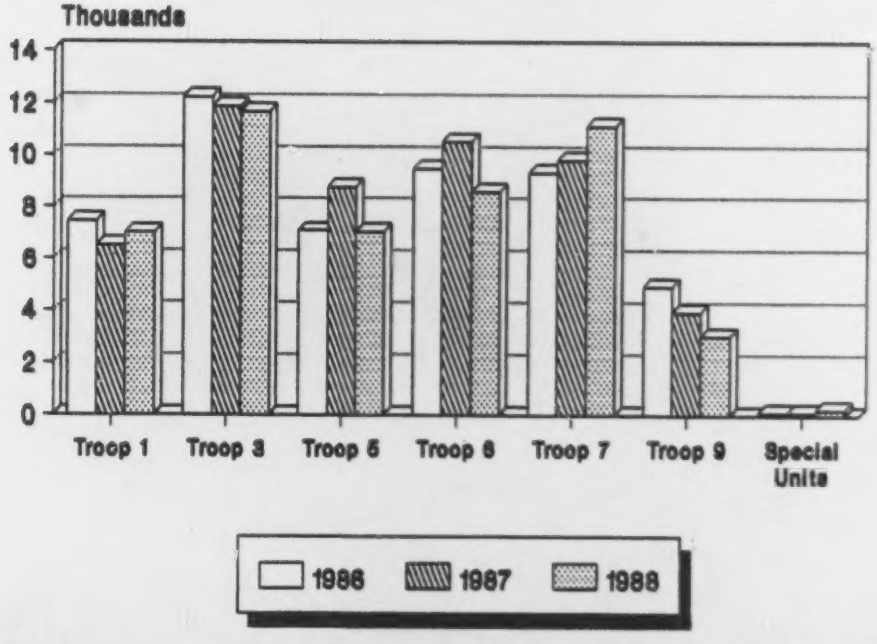


1986 - 1988

SPEED ARRESTS
by Troops

TROOP	1986	1987	1988
1	7,454	6,513	6,990
3	12,219	11,848	11,667
5	7,102	8,751	7,048
6	9,452	10,501	8,557
7	9,309	9,801	11,112
9	4,923	3,952	3,038
Special Units	108	100	218
TOTALS:	50,567	51,466	48,630

SPEED ARRESTS
by Troops

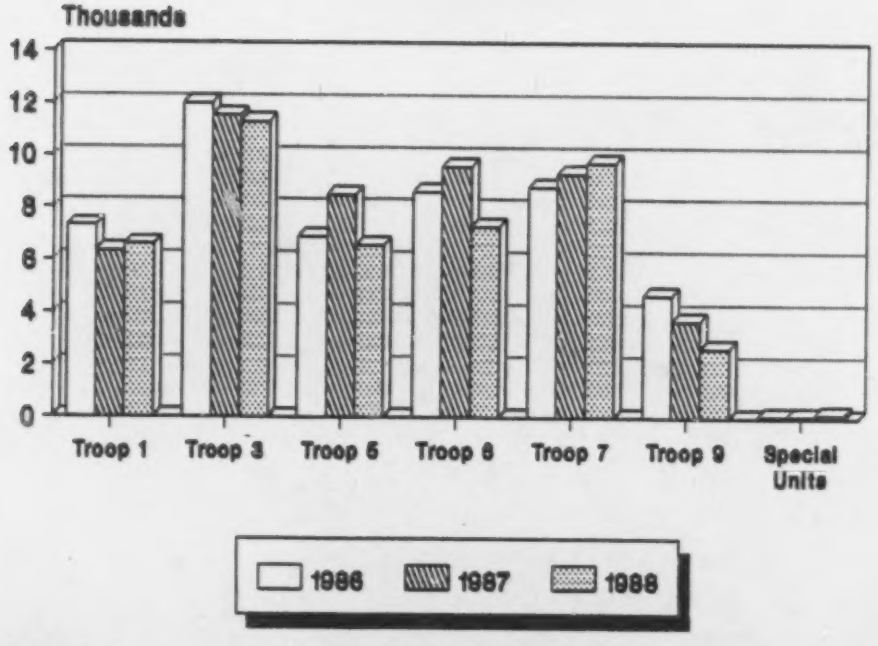


1986 - 1988

RADAR ARRESTS
by Troops

TROOP	1986	1987	1988
1	7,321	6,383	6,614
3	12,011	11,532	11,287
5	6,900	8,489	6,574
6	8,617	9,566	7,296
7	8,809	9,316	9,741
9	4,647	3,677	2,649
Special Units	82	74	158
TOTALS:	48,387	49,017	44,319

RADAR ARRESTS
by Troops

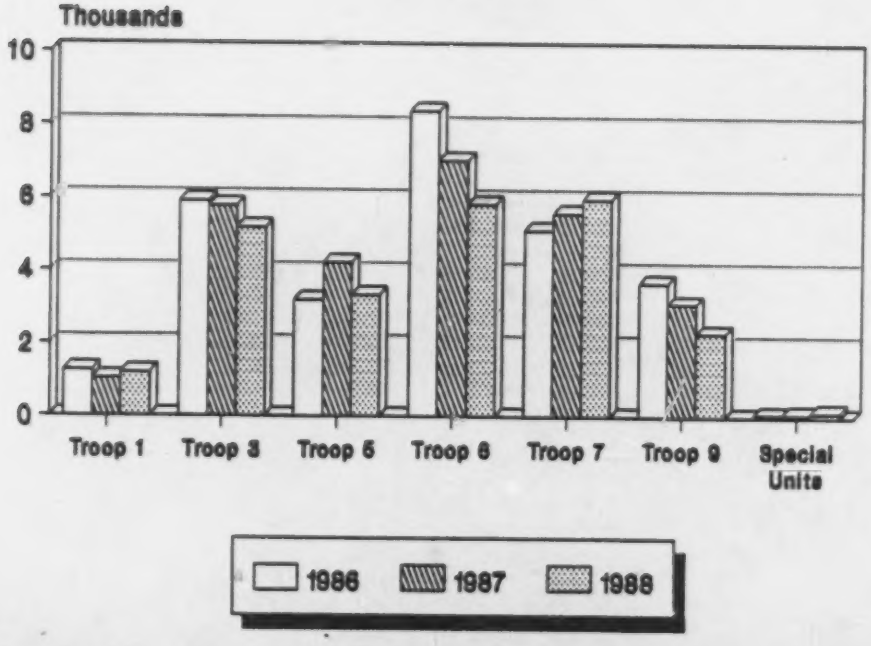


1986 - 1988

55 MPH SPEED ARRESTS
by Troops

TROOP	1986	1987	1988
1	1,251	1,042	1,189
3	5,900	5,765	5,194
5	3,203	4,238	3,319
6	8,392	7,032	5,832
7	5,145	5,600	5,954
9	3,661	3,102	2,303
Special Units	67	74	141
TOTALS:	27,619	26,853	23,932

55 MPH SPEED ARRESTS
by Troops

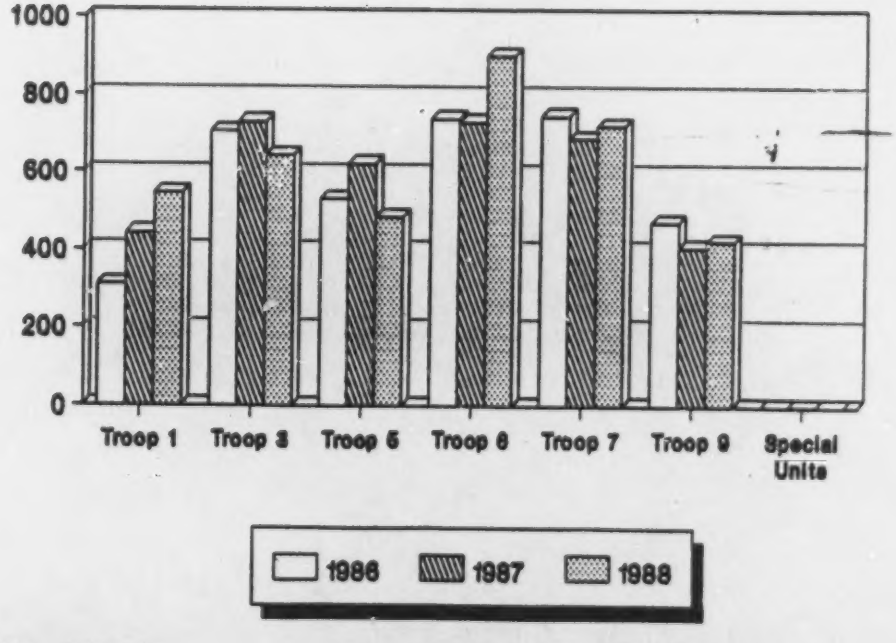


1986 - 1988

DUI ARRESTS
by Troops

TROOP	1986	1987	1988
1	310	442	546
3	704	728	642
5	531	621	483
6	738	728	900
7	745	687	719
9	471	405	421
Special Units	0	1	0
TOTALS:	3,499	3,612	3,711

DUI ARRESTS
by Troops



1986 - 1988

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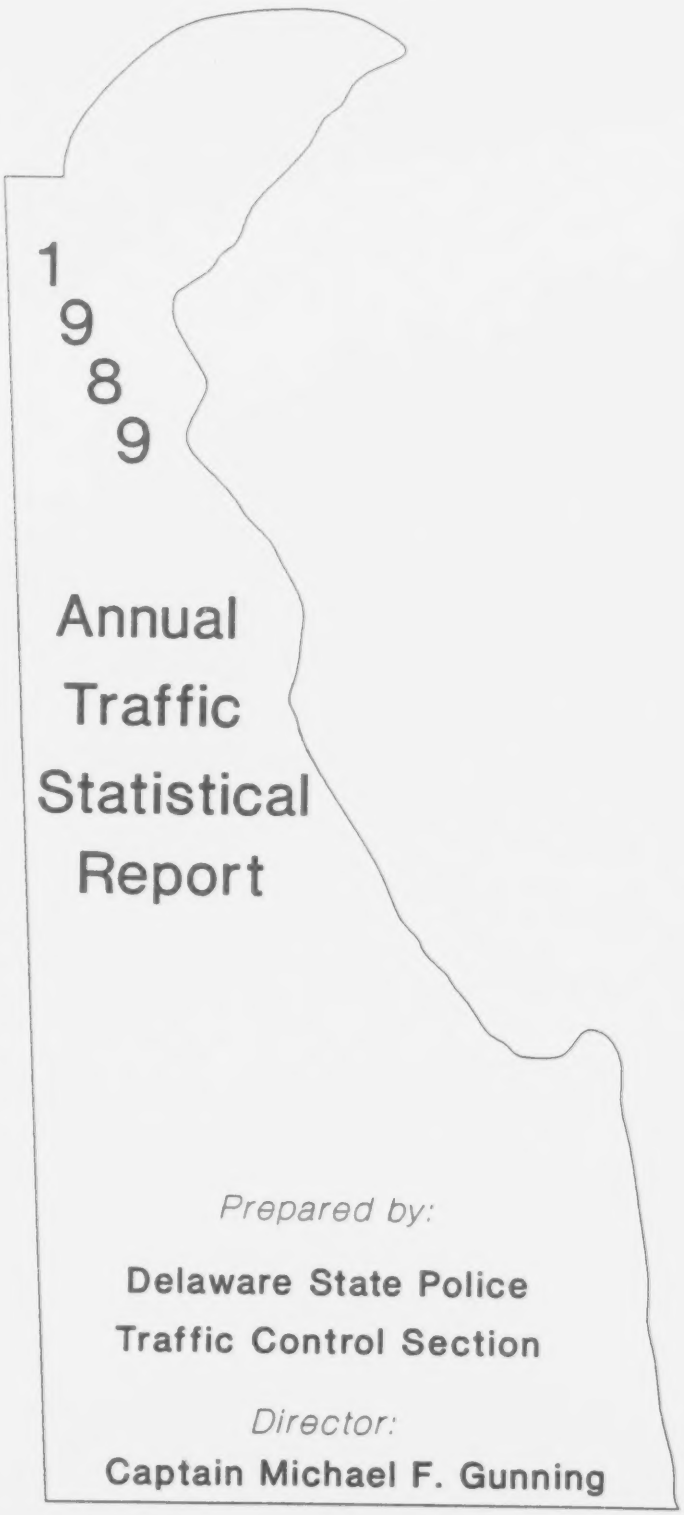

1989 Annual Traffic Statistical Report

Prepared by:

Delaware State Police
Traffic Control Section

Director:

Captain Michael F. Gunning

BEST AVAILABLE COPY

INTRODUCTION

The Traffic Control Section of the Delaware State Police is the repository for all traffic crash data. This includes all crash reports regardless of the geographical areas in which they occur or the police agency conducting the investigation. These crash reports are stored with us for quick retrieval for civil, criminal, and statistical purposes.

This is an annual compilation - in report form - of the 1989 crash statistics. There are a few additions, which we feel, will better exemplify the drinking driver problem we are experiencing in the late evening and early morning hours.

There were a total of 19,410 overall traffic crashes in 1989 as compared to 19,790 overall traffic crashes in 1988. This is an overall reduction of approximately two (2) percent.

Copies of this report are available to the public through the Traffic Control Section, Delaware State Police, P. O. Box 430, Dover, Delaware, 19903 or by phone at (302) 736-5933/4.

Traffic Control Section
DELAWARE STATE POLICE

1989
STATEWIDE FATAL CRASH SUMMARY

1. Fatal Crashes and Fatalities

	CRASHES	DEATHS
New Castle	55	60
Kent	27	29
Sussex	29	30
TOTAL:	**111**	**119**

2. Alcohol Related Fatal Crashes and Fatalities

	CRASHES	DEATHS
New Castle	30	34
Kent	16	17
Sussex	13	14
TOTAL:	**59**	**65**

3. Status of Victims

A. CAR OCCUPANTS		94
Operators	65	
Passengers	29	
B. MOTORCYCLISTS		4
Operators	4	
Passengers	0	
C. PEDESTRIANS		19
D. BICYCLISTS		2
TOTAL DEATHS:		**119**

1989
DELAWARE

THERE WERE
495,555 LICENSED DRIVERS,

565,719 REGISTERED
MOTOR VEHICLES,

AND 6,421,000,000
VEHICLE MILES DRIVEN.

THERE WERE
19,410 TRAFFIC CRASHES

RESULTING IN
119 PEOPLE KILLED &
9,245 PEOPLE INJURED

AND AN ECONOMIC LOSS OF
$136 MILLION DOLLARS.

WATCH OUT!!

Dangerous Times To be on the Road in Delaware

Most Dangerous Day:

SUNDAY

61% of the Fatal Crashes

were ALCOHOL RELATED!

Most Dangerous Time:

Midnight - 4 am

87% of the Fatal Crashes

were ALCOHOL RELATED!

Worst Day and Time to be on the Road:

From Saturday night at 4 pm until Sunday morning at 4 am.

82% of the Fatal Crashes

were ALCOHOL RELATED!

Accident Report

Segments of Roadways with the highest Accident Rates by Troop Area as reported by the Department of Transportation

Troop 1	Troop 6
➡ *Chestnut Road at Marsh Road*	➡ *Chapman Road at Del. Rte. 273*
➡ *Concord Pike from just north of I-95 to just south of Murphy Road.*	➡ *US Rte. 40 from .47 miles west of Del. Rte. 896 to .23 miles east of Del. Rte. 896 at Glasgow*
Troop 3	**Troop 7**
➡ *Del. Rte. 300 from .20 miles east of Kent 39 to US Rte. 13*	➡ *Del. Rte. 1 from .20 miles south of US Rte. 9 to .10 miles north of US Rte. 9 at Five Points*
➡ *US Rte. 13 from Leipsic Road to Northern entrance/exit of Dover Mall*	➡ *US Rte. 113 from .23 miles south of Sussex 62 to .17 miles north of Sussex 62 (Just north of US Rt. 9)*
Troop 5	**Troop 9**
➡ *US Rte. 13 from .33 miles south of Del. Rte. 404 to .07 miles north of Del. Rte. 404*	➡ *US Rte. 13 thru Odessa*
➡ *US Rte. 13 from .23 miles south of Sussex 462 to .07 miles north of Del. Rte. 9 at Laurel*	➡ *US Rte. 13 from New Castle/ Kent County line to .12 miles north of the rest area's northern entrance/exit*

CONCERNS FOR 1990

Based on the Fatal experience for the first 4 months of 1990, the following points are of great concern.

- Pedestrian deaths have more than tripled over the same period in 1989

- Delaware has had 3 motorcyclists killed this year. This is just 1 person less than was killed in all of 1989.

- In the first 4 months of 1989, Delaware had 2 multiple death crashes – resulting in 4 deaths. In the first 4 months of 1990, there have been 5 multiple death crashes resulting in 12 deaths. All 5 of these crashes were caused by drinking drivers.

- Potentially, over 150 persons will be killed on Delaware roads in 1990 – only 4 other years in Delaware history have sustained more than 150 fatalities.

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DELAWARE
TRAFFIC CRASH FACTS

- There were 19,410 reported traffic crashes of which 111 were fatal; 5867 were personal injury and 13,432 were property damage crashes.
- A traffic crash was reported every 27 minutes.
- In 111 fatal crashes, 119 persons were killed.
- Twenty percent (20%) of the persons killed in Delaware in 1989 were minors (less than 21 years old).
- One person was killed every 74 hours as a result of traffic crashes.
- There were 9,245 persons injured in Delaware crashes.
- One person was injured every 57 minutes in traffic crashes.
- For each person killed, there were 78 injured.
- One out of every 19 licensed drivers in Delaware was a driver in a traffic crash.
- Alcohol was involved in 53% of the fatal crashes.
- Of all the drivers killed in fatal crashes, 46% of them had been drinking.
- The number of pedestrians killed in traffic crashes in 1989 was 19, down from 28 in 1988.
- For each pedestrian killed, there were 15 injured
- The number of bicyclists killed in traffic crashes in 1989 was 2, down from 3 in 1988.
- For each bicyclist killed, there were 85 injured.
- Children under 15 years of age accounted for 58% of the bicyclist's injuries.
- A total of 4 motorcyclists were killed in traffic crashes in 1989, compared to 11 in 1988.
- Of the 4 motorcyclists killed, none were wearing a helmet.
- Of the 94 occupants killed in traffic crashes in 1989, 77 were not using occupant restraints.
- Of the 958 occupants killed in traffic crashes in the last ten years, 90% of them were <u>not</u> using occupant restraints.

TRAFFIC STATISTICS
IN BRIEF

	1989	1988	% Change
Registered Vehicles	565,719	555,243	↘ 2%
Licensed Drivers	495,555	479,609	↘ 3%
Vehicle Miles Traveled (in millions)	6,421	6,386	↘ 1%
Population	670,350	660,200	↘ 2%
Fatal Crashes	111	147	24% ↘
Personal Injury Crashes	5,867	5,878	↔ 0%
Property Damage Crashes	13,432	13,765	2% ↘
Total Crashes	19,410	19,790	2% ↘
Persons Killed	119	165	28% ↘
Persons Injured	9,245	9,245	↔ 0%
Death Rate per 100 million Vehicle Miles Driven	1.85	2.58	28% ↘
Death Rate per 10,000 Registered Vehicles	2.10	2.97	29% ↘
Death Rate per 100,000 Population	17.75	24.99	29% ↘

POPULATION, LICENSED DRIVERS, REGISTERED MOTOR VEHICLES, and MOTOR VEHICLE MILEAGE

1970 - 1989

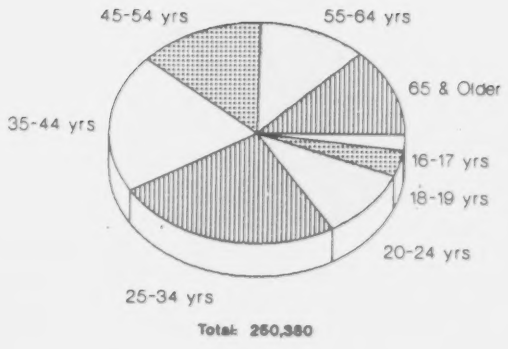
YEAR	POPULATION	LICENSED DRIVERS	REGISTERED MOTOR VEHICLES	MOTOR VEHICLE MILEAGE **
1970	548,104	333,631	321,026	2,980
1971	559,000	343,180	339,265	3,216
1972	571,000	353,147	345,034	3,826
1973	576,000	376,495	359,882	3,714
1974	577,000	376,453	377,569	3,697
1975	579,000	379,386	386,551	3,923
1976	582,086	386,872	390,651	3,850
1977	582,086	390,316	406,401	4,038
1978	581,700	409,419	419,126	4,232
1979	582,600	415,739	429,877	4,093
1980	595,225	425,314	435,009	4,221
1981	594,338	437,813	443,511	4,459
1982	594,317	443,960	454,585	4,591
1983	599,866	443,013	467,374	4,886
1984	600,000	451,791	502,025	5,123
1985	611,011	459,875	506,328	5,365
1986	612,603	468,234	521,401	5,761
1987	632,754	475,947	542,512	6,087
1988	660,200	479,609	555,243	6,386
1989	670,350	495,555	565,719	6,421

** In Millions

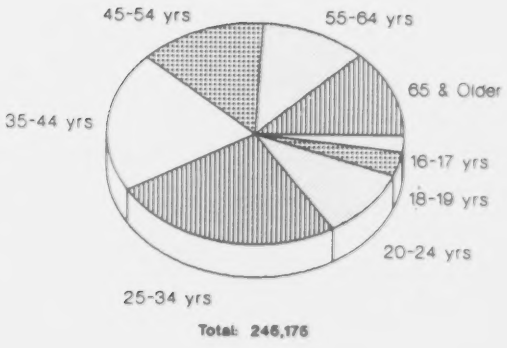
NUMBER & PERCENTAGE DISTRIBUTION
of
LICENSED DRIVERS
1989

AGE	MALE	FEMALE	TOTAL #	TOTAL %
16 - 17	5,653	5,717	11,370	2%
18 - 19	9,546	8,747	18,293	4%
20 - 24	25,760	25,104	50,864	10%
25 - 34	**62,433**	**61,932**	**124,365**	**25%**
35 - 44	50,495	50,359	100,854	20%
45 - 54	34,677	33,964	68,641	14%
55 - 64	29,679	28,268	57,947	12%
65 & Older	32,137	31,084	63,221	13%
TOTAL:	**250,380**	**245,175**	**495,555**	**100%**

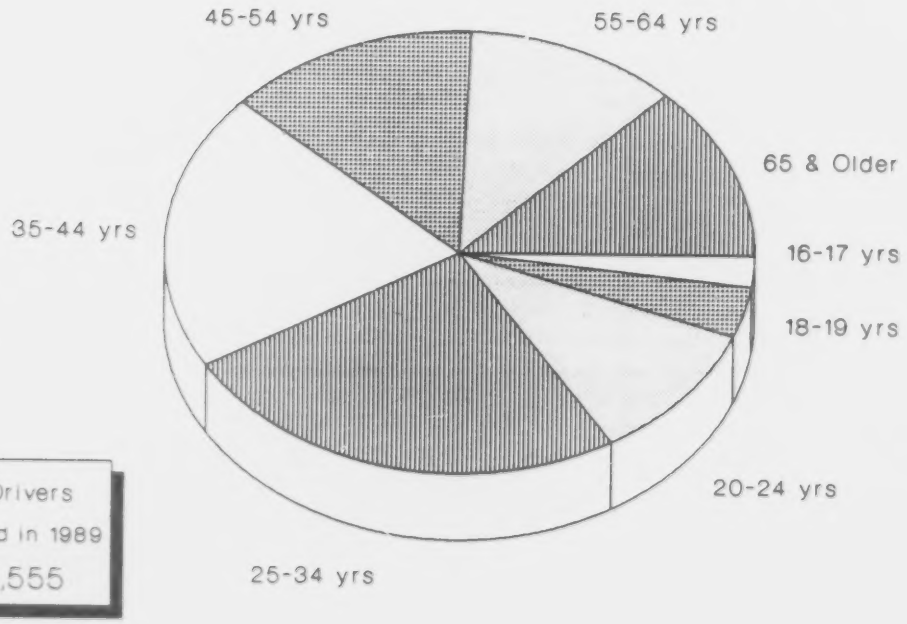
MALES



FEMALES



DISTRIBUTION OF ALL LICENSED DRIVERS



Total Drivers Licensed in 1989
495,555

VEHICLE DEATH RATES

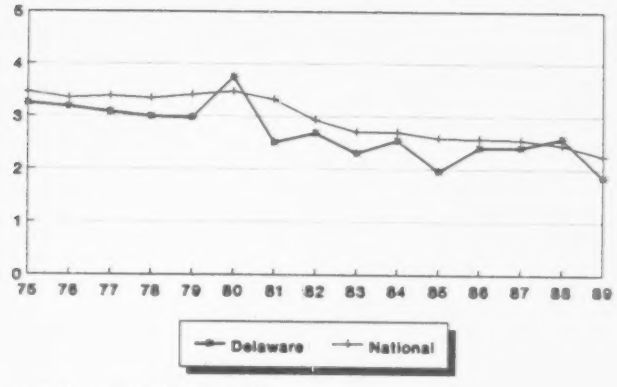
YEAR	MILEAGE DEATH RATE		REGISTRATION DEATH RATE		POPULATION DEATH RATE	
	Delaware	National	Delaware	National	Delaware	National
1975	3.24	3.45	3.30	3.30	21.93	21.60
1976	3.17	3.34	3.12	3.28	20.96	21.90
1977	3.07	3.38	3.08	3.32	21.48	22.90
1978	2.98	3.33	3.01	3.35	21.66	23.60
1979	2.96	3.40	2.81	3.26	20.77	23.60
1980	3.74	3.46	3.63	3.25	26.54	23.20
1981	2.51	3.32	2.53	3.13	18.84	22.50
1982	2.68	2.93	2.71	2.76	20.70	19.90
1983	2.29	2.69	2.40	2.62	18.67	19.00
1984	2.54	2.69	2.59	2.69	21.67	19.60
1985	1.96	2.58	2.07	2.60	17.18	19.10
1986	2.40	2.57	2.65	2.63	22.53	19.90
1987	2.41	2.55	2.71	2.62	23.23	20.00
1988	2.58	2.46	2.97	2.60	24.99	19.90
1989	1.85	2.25	2.10	2.43	17.75	18.90

Mileage Death Rate is the number of deaths per 100 million Vehicle Miles.

Registration Death Rate is the number of deaths per 10,000 Registrations.

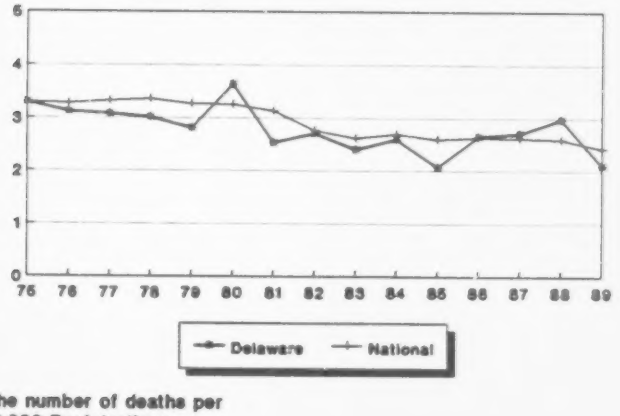
Population Death Rate is the number of deaths per 100,000 Population.

Mileage Death Rate



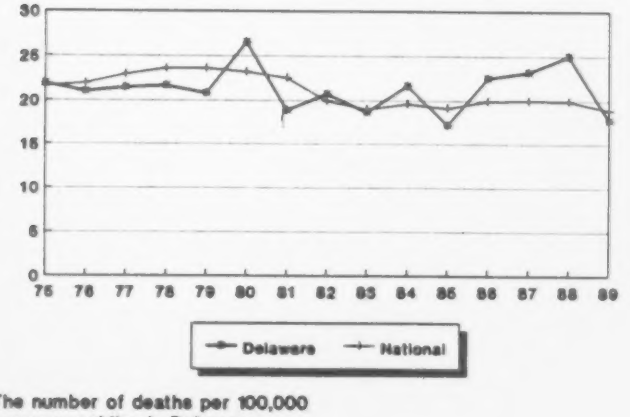
The number of deaths per 100 million Vehicle miles driven.

Registration Death Rate



The number of deaths per 10,000 Registrations.

Population Death Rate



The number of deaths per 100,000 persons residing in Delaware.

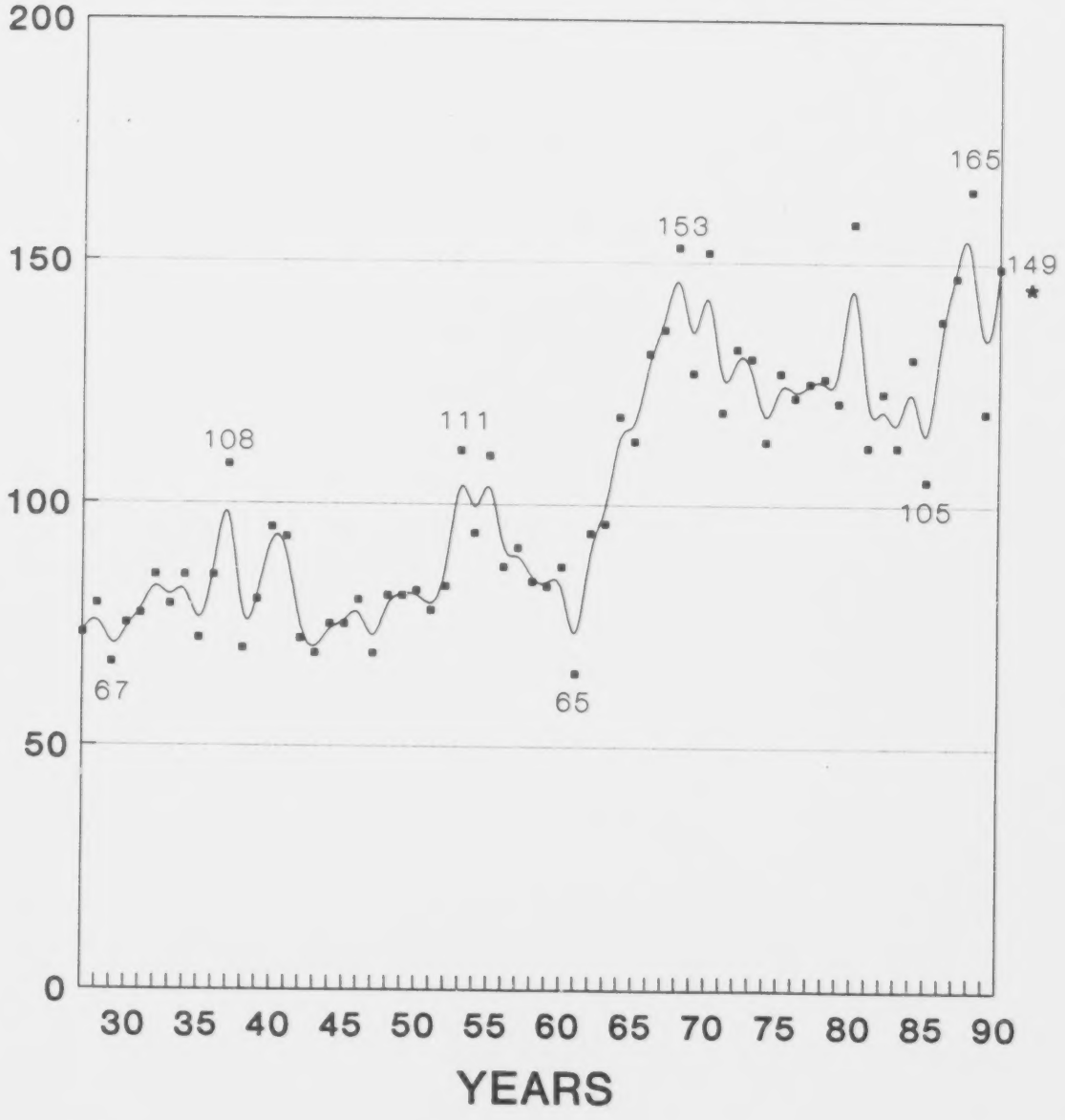
STATEWIDE

CRASH AND INJURY DATA

1975 - 1989

YEAR	ALL CRASHES	FATAL CRASHES	PERSONAL INJURY CRASHES	PROPERTY DAMAGE CRASHES	PERSONS KILLED	PERSONS INJURED
1975	13,373	108	4,550	8,715	127	6,677
1976	13,348	110	4,387	8,851	122	6,447
1977	14,554	108	4,880	9,566	125	7,150
1978	15,402	113	4,564	10,725	126	6,786
1979	16,195	111	4,738	11,346	121	7,046
1980	16,378	139	4,896	11,343	158	7,341
1981	16,269	104	4,726	11,439	112	7,133
1982	16,436	116	4,760	11,560	123	7,228
1983	16,308	100	4,596	11,612	112	6,930
1984	18,309	118	5,221	12,970	130	7,893
1985	19,034	95	5,499	13,440	105	8,506
1986	19,876	121	5,928	13,827	138	9,335
1987	20,339	132	5,813	14,394	147	8,915
1988	19,790	147	5,878	13,765	165	9,245
1989	19,410	111	5,867	13,432	119	9,245

Delaware Traffic Deaths
1927-1989

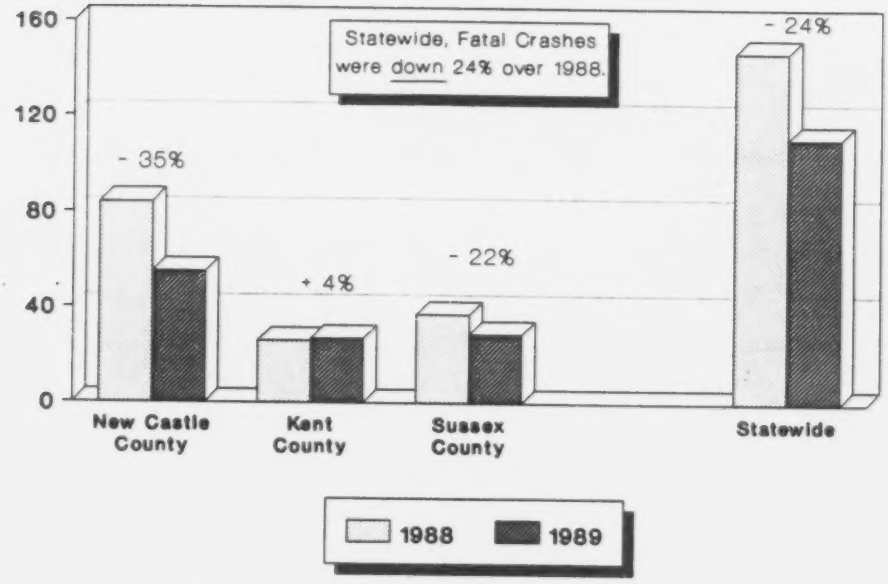


* Projected for 1990

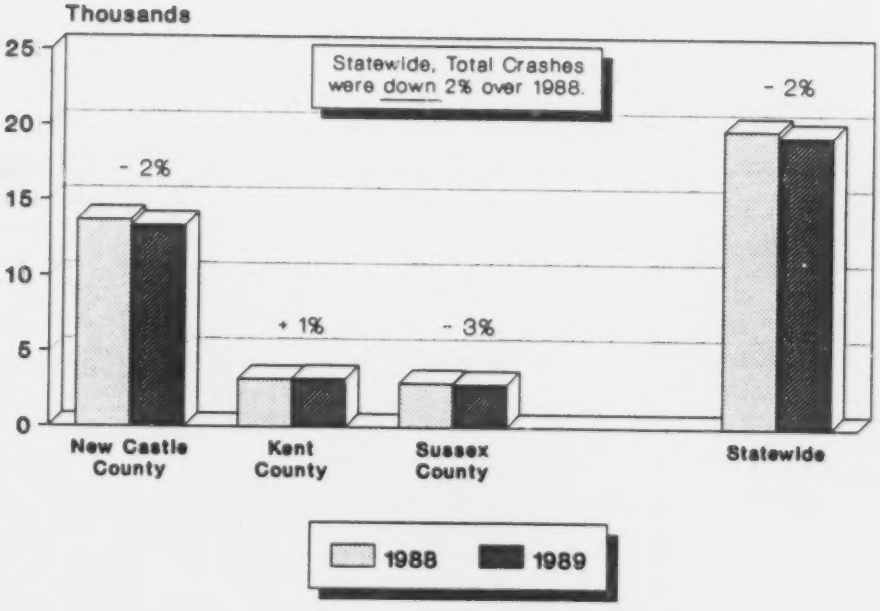
CRASH COMPARISON
by County

	1989	1988	% CHANGE
NEW CASTLE COUNTY			
Fatal Crashes	55	84	35% ↑
Personal Injury Crashes	3924	3850	2% ↓
Property Damage Crashes	9356	9739	4% ↑
Total Crashes	13335	13673	2% ↑
Fatalities	60	95	37% ↑
Injuries	6128	6052	1% ↓
KENT COUNTY			
Fatal Crashes	27	26	4% ↓
Personal Injury Crashes	1017	1015	0% ↔
Property Damage Crashes	2178	2141	2% ↓
Total Crashes	3222	3182	1% ↓
Fatalities	29	28	4% ↓
Injuries	1599	1572	2% ↓
SUSSEX COUNTY			
Fatal Crashes	29	37	22% ↑
Personal Injury Crashes	926	1014	9% ↑
Property Damage Crashes	1898	1884	1% ↓
Total Crashes	2853	2935	3% ↑
Fatalities	30	42	29% ↑
Injuries	1518	1621	6% ↑
STATEWIDE			
Fatal Crashes	111	147	24% ↑
Personal Injury Crashes	5867	5878	0% ↔
Property Damage Crashes	13432	13765	2% ↑
Total Crashes	19410	19790	2% ↑
Fatalities	119	165	28% ↑
Injuries	9245	9245	0% ↔

FATAL CRASHES



TOTAL CRASHES



MAJOR HOLIDAY PERIODS

CRASH STATISTICS

1985 - 1989

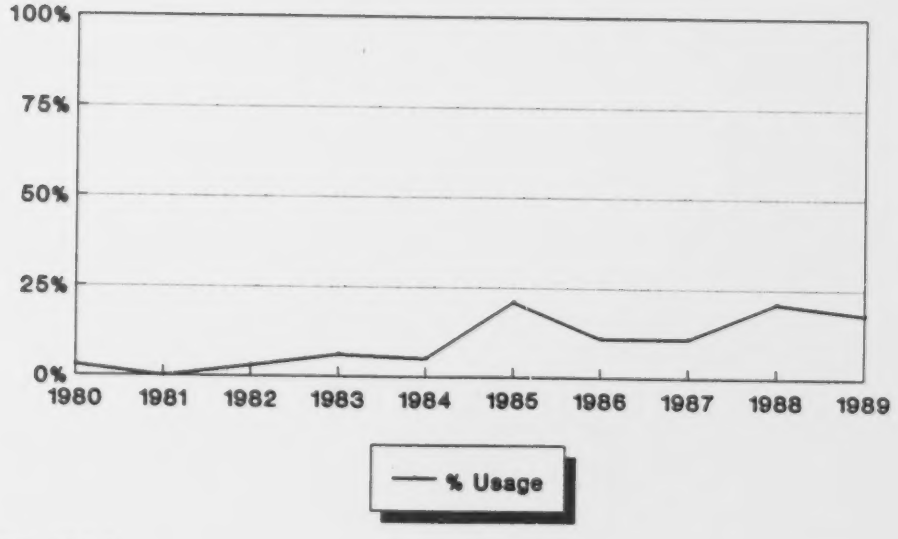
	ALL CRASHES	FATAL CRASHES	PERSONAL INJURY CRASHES	PROPERTY DAMAGE CRASHES	PERSONS KILLED	PERSONS INJURED
NEW YEARS						
'84-'85	230	2	70	158	2	125
'85-'86	109	0	38	71	0	62
'86-'87	240	0	63	177	0	91
'87-'88	157	3	43	111	3	93
'88-'89	136	0	36	100	0	60
MEMORIAL DAY						
1985	124	0	47	77	0	88
1986	145	2	57	86	4	107
1987	102	1	29	72	1	45
1988	169	2	62	105	2	96
1989	200	0	71	129	0	106
FOURTH OF JULY						
1985	218	2	67	149	2	133
1986	201	2	70	129	3	140
1987	163	2	51	110	2	89
1988	174	2	53	119	2	87
1989	235	1	89	145	1	152
LABOR DAY						
1985	135	1	60	74	1	112
1986	169	0	53	116	0	118
1987	130	2	39	89	2	55
1988	208	0	70	138	0	118
1989	143	0	51	92	0	86
THANKSGIVING						
1985	323	1	87	235	1	171
1986	208	4	53	151	4	141
1987	323	0	90	233	0	157
1988	218	3	59	156	3	95
1989	192	1	52	139	1	91
CHRISTMAS						
1985	110	1	30	79	2	69
1986	157	0	58	99	0	157
1987	217	1	65	151	1	101
1988	194	3	62	129	3	92
1989	143	5	42	96	6	77

NOTE: The number of crashes and injuries is influenced by the length of the Holiday weekend.

SEAT BELT USAGE
in Occupant Fatalities

YEAR	Total Occupants Killed	Number Wearing Seat belts	% Usage
1989	94	17	18%
1988	123	26	21%
1987	108	12	11%
1986	111	12	11%
1985	63	13	21%
1984	98	5	5%
1983	82	5	6%
1982	78	2	3%
1981	81	0	0%
1980	120	4	3%

SEAT BELT USAGE
in Occupant Fatalities

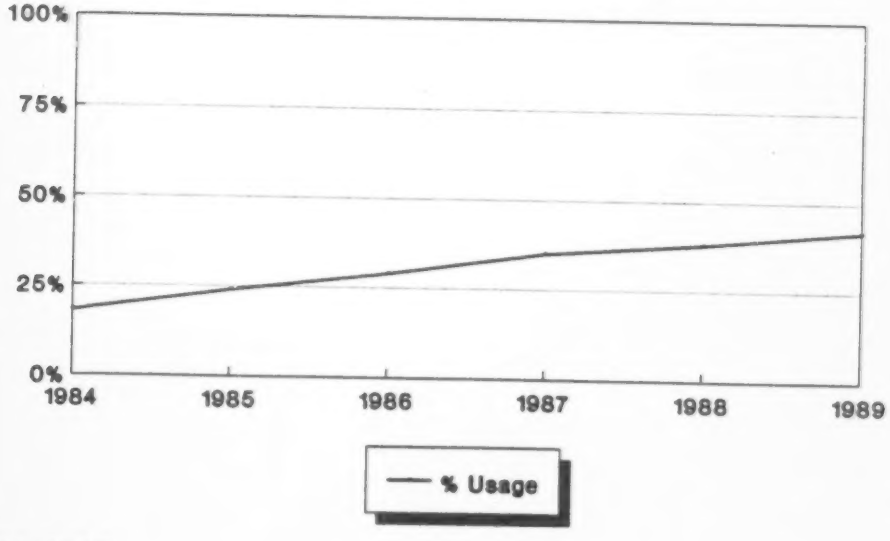


1980-1989

SEAT BELT USAGE
in Occupant Injuries

YEAR	Total Occupants Injured	Number Wearing Seat belts	% Usage
1989	8585	3628	42%
1988	8547	3244	38%
1987	8072	2825	35%
1986	8462	2466	29%
1985	7696	1858	24%
1984	7153	1298	18%

SEAT BELT USAGE
in Occupant Injuries



1984-1989

SEAT BELT STUDY

1987 - 1989

Based on those persons who
were injured on Delaware Roads

Seat Belt Usage

County	*% of persons who used a Seat Belt*
New Castle	40%
Kent County	36%
Sussex County	32%
Statewide	38%

Severity of Injury

→ Of the persons who were not wearing their seat belts, 1 out of 7 (14.4%) received serious injury.

→ Of the persons who were wearing their seat belts, only 1 out of 12 (8.6%) received a serious injury.

The occurrence of a serious injury was reduced by 41% when one was wearing an occupant restraint.

A Serious Injury: An injury that results in death; or one that causes lacerations, broken or distorted limbs; skull, chest or abdominal injuries.

CRASH DATA

The following pages contain information on the number of crashes (fatal crashes, personal injury crashes, and property damage crashes) by:

- Type of Crash
- Contributing Circumstances
- Road Conditions
- Light Conditions
- Type of Vehicle
- Age of Driver
- Sex of Driver
- Residence of Driver
- Day of Week
- Time of Day
- Contributing Police Agencies

TYPE OF CRASH

Type of Crash	All Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes
Overturning	355	2	186	167
Other Non-Collision	115	1	51	63
Pedestrian	303	19	284	0
Motor Vehicle in Transport	**13374**	**41**	**3923**	**9410**
Motor Vehicle on Other Roadway	10	1	1	8
Parked Motor Vehicle	1545	2	136	1407
Railway Train	14	2	6	6
Pedalcyclist	165	2	161	2
Animal	418	0	18	400
Fixed Object	2941	41	1063	1837
Other Object	168	0	38	130
Other	2	0	0	2
TOTALS:	**19410**	**111**	**5867**	**13432**

CONTRIBUTING CIRCUMSTANCES

Contributing Circumstances	All Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes
Speed too Fast	1333	11	404	918
Failed to Yield Right of Way	2479	6	815	1658
Passed Stop Sign	945	6	341	598
Disregard Traffic Signal	1176	6	481	689
Drove Left of Center	448	8	127	313
Improper Overtaking	485	0	81	404
Followed too Closely	1341	0	364	977
Made Improper Turn	790	0	168	622
Had Been Drinking	1161	21	601	539
Other Improper Driving	1415	0	435	980
Mechanical Defect	331	1	112	218
Inattention	**2718**	**1**	**821**	**1896**
Other	4788	51	1117	3620
TOTALS:	**19410**	**111**	**5867**	**13432**

ROAD CONDITIONS

Road Surface Condition	All Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes
Dry	**12732**	**85**	**4018**	**8629**
Wet	5162	25	1539	3598
Snowy/Icy	1487	1	307	1179
Other	29	0	3	26
TOTALS:	**19410**	**111**	**5867**	**13432**

LIGHT CONDITIONS

Light Condition	All Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes
Daylight	**12578**	**43**	**3670**	**8865**
Dawn/Dusk	849	7	280	562
Darkness	5927	61	1915	3951
Not Stated	56	0	2	54
TOTALS:	**19410**	**111**	**5867**	**13432**

TYPE OF VEHICLE

Type of Vehicle	All Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes
Passenger Car	**27364**	**115**	**8264**	**18985**
Passenger Car & Trailer	15	0	4	11
Truck or Truck Tractor	653	5	166	482
Truck Tractor & Semi	704	13	189	502
Other Truck Combination	41	0	10	31
Farm Tractor &/or Farm Equipment	21	0	10	11
Bus	88	0	16	72
School Bus	157	0	43	114
Motorcycle	277	4	230	43
Other	6467	26	1768	4673
Not Stated	723	1	93	629
TOTALS:	**36510**	**164**	**10793**	**25553**

AGE OF DRIVER

Age of Driver	All Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes
15 & Under	44	0	20	24
16	890	3	295	592
17	1200	4	354	842
18 - 19	2587	11	861	1715
20 - 24	5627	23	1807	3797
25 - 34	8969	48	2847	6074
35 - 44	5701	21	1768	3912
45 - 54	3293	16	961	2316
55 - 64	2350	16	700	1634
65 & Older	2147	14	623	1510
Not Stated	1742	2	276	1464
TOTALS:	**34550**	**158**	**10512**	**23880**

SEX OF DRIVER

Sex of Driver	All Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes
Male	**20384**	**112**	**6184**	**14088**
Female	12549	44	4076	8429
Not Stated	1617	2	252	1363
TOTALS:	**34550**	**158**	**10512**	**23880**

RESIDENCE OF DRIVER

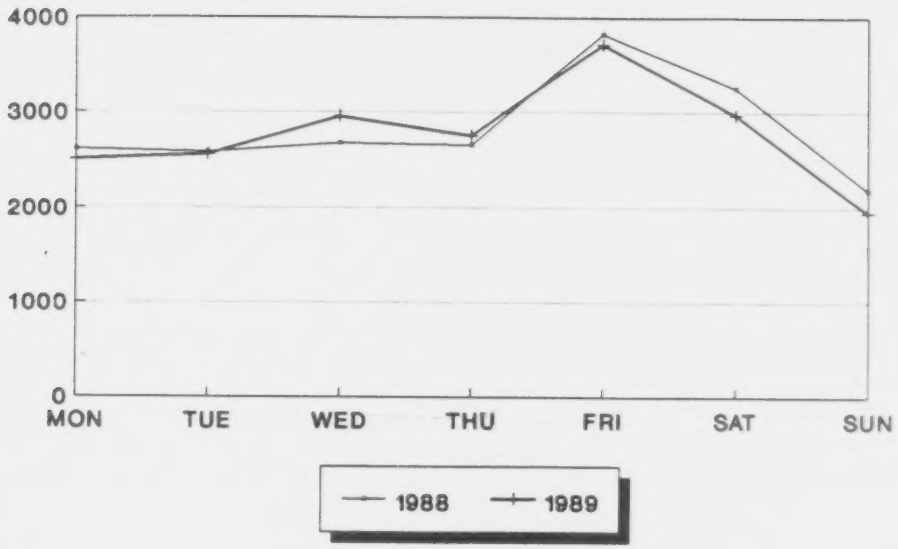
Residence	All Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes
Local Residence	26382	115	8354	17913
Non-Residence of Delaware	6533	41	1901	4591
Not Stated	1635	2	257	1376
TOTALS:	**34550**	**158**	**10512**	**23880**

DAY OF WEEK

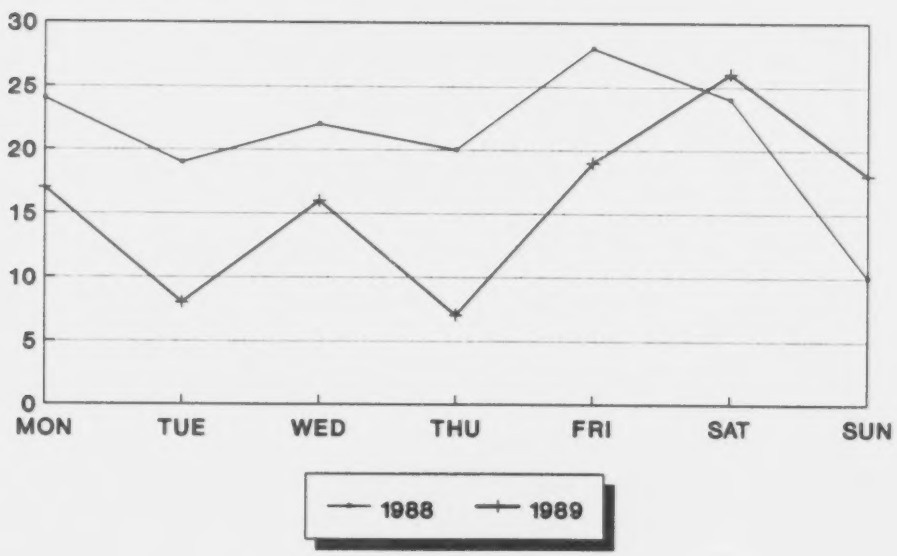
ALL CRASHES and FATAL CRASHES

DAY OF WEEK	ALL CRASHES		FATAL CRASHES	
	1989	1988	1989	1988
Monday	2508	2616	17	24
Tuesday	2557	2580	8	19
Wednesday	2952	2673	16	22
Thursday	2754	2657	7	20
Friday	**3717**	**3828**	19	28
Saturday	2972	3249	**26**	**24**
Sunday	1950	2187	18	10
TOTALS:	**19410**	**19790**	**111**	**147**

ALL CRASHES
by Day of Week



FATAL CRASHES
by Day of Week

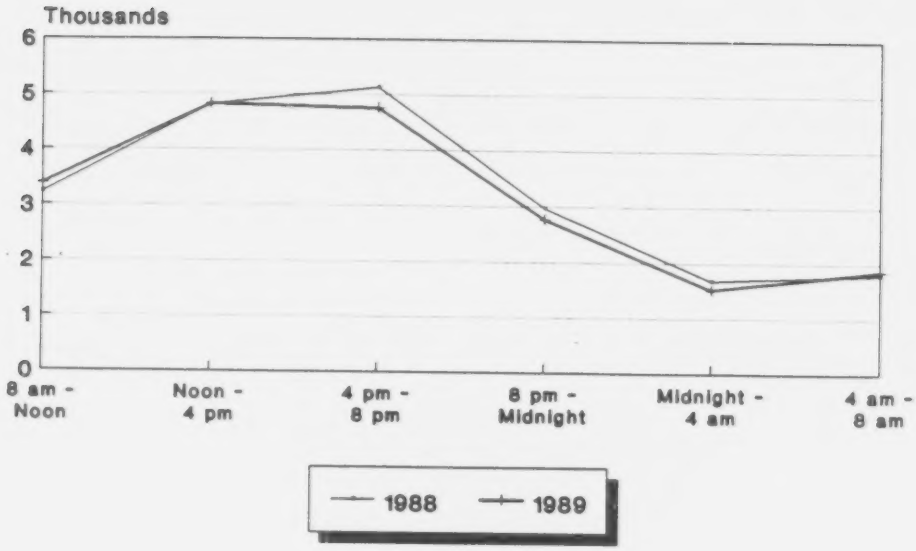


TIME OF DAY

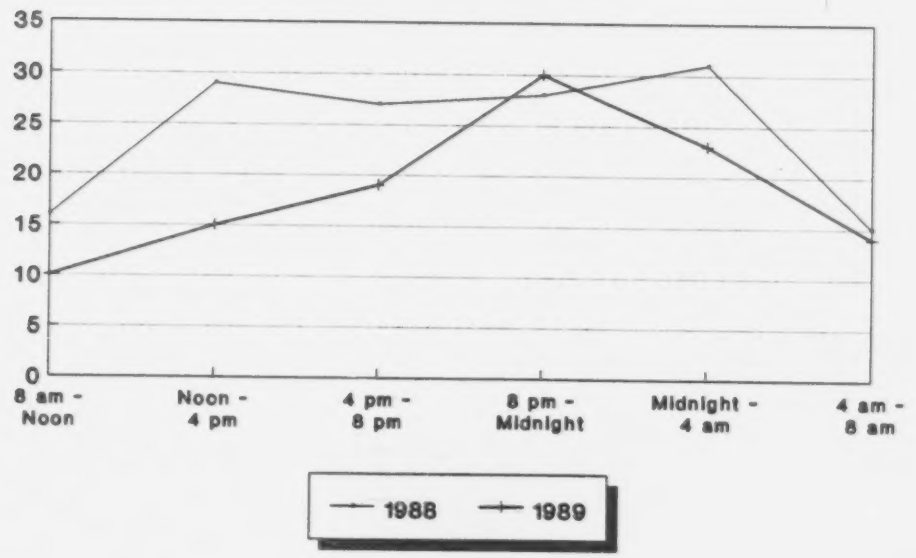
ALL CRASHES and FATAL CRASHES

TIME OF DAY	ALL CRASHES		FATAL CRASHES	
	1989	1988	1989	1988
8 am - Noon	3384	3229	10	16
Noon - 4 pm	4825	4813	15	29
4 pm - 8 pm	4756	5131	19	27
8 pm - Midnight	2770	2970	30	28
Midnight - 4 am	1520	1673	23	31
4 am - 8 am	1856	1795	14	15
Not Stated	299	179	0	1
TOTALS:	**19410**	**19790**	**111**	**147**

ALL CRASHES
by Time of Day



FATAL CRASHES
by Time of Day



CONTRIBUTING POLICE AGENCIES

Police Agency	All Crashes		Fatal Crashes		Personal Injury Crashes		Property Damage Crashes	
	89	88	89	88	89	88	89	88
Delaware State Police	10457	10612	83	118	3358	3395	7016	7099
Bethany Beach	5	4	0	0	3	1	2	3
Bethel	0	1	0	0	0	0	0	1
Blades	0	0	0	0	0	0	0	0
Bridgeville	33	10	0	0	9	3	24	7
Camden-Wyoming	47	15	0	0	11	0	36	15
Clayton	1	0	0	0	0	0	1	0
Dagsboro	3	10	1	0	1	4	1	6
DE River & Bay Authority	120	155	1	2	24	44	95	109
Delmar	9	25	0	0	1	2	8	23
Dewey Beach	20	30	0	0	6	7	14	23
Dover	1451	1420	2	7	436	409	1013	1004
Elsmere	103	112	0	0	39	37	64	75
Frankford	4	0	0	0	1	0	3	0
Frederica	2	5	0	0	0	3	2	2
Georgetown	51	49	0	0	10	11	41	38
Greenwood	1	5	0	0	0	3	1	2
Harrington	39	25	0	0	7	4	32	21

CONTRIBUTING POLICE AGENCIES (cont.)

Police Agency	All Crashes		Fatal Crashes		Personal Injury Crashes		Property Damage Crashes	
	89	88	89	88	89	88	89	88
Laurel	73	75	1	0	16	20	56	55
Lewes	27	31	0	0	8	4	19	27
Milford	210	194	3	0	68	59	139	135
Millsboro	26	59	1	0	6	21	19	38
Milton	1	4	0	0	0	2	1	2
Newark	950	784	4	2	318	251	628	531
New Castle City	57	37	0	0	13	9	44	28
New Castle Co.	2434	2588	8	12	664	684	1762	1892
Newport	48	66	1	0	20	16	27	50
Ocean View	6	10	0	0	2	4	4	6
Rehoboth Beach	104	100	0	0	24	31	80	69
South Bethany Beach	3	3	0	0	0	1	3	2
Seaford	182	162	0	0	43	49	139	113
Smyrna	81	104	1	1	32	29	48	74
Wilmington	2862	3095	5	5	747	775	2110	2315
TOTALS:	**19410**	**19790**	**111**	**147**	**5867**	**5878**	**13432**	**13765**

MOTORCYCLE CRASHES

In 1989:

- There were 274 traffic crashes which involved a motorcycle.
- 1% of the crashes were fatal crashes.
- 83% of the crashes were personal injury crashes.
- 15% of the crashes were property damage crashes.
- Of the 4 motorcyclists killed in 1989, none of them were wearing helmets.
- Of the 4 motorcyclists killed, 3 had a positive BAC.
- The death rate for motorcyclists was 5.11 per 10,000 registrations - compared to a death rate of 2.09 for all vehicles registered.

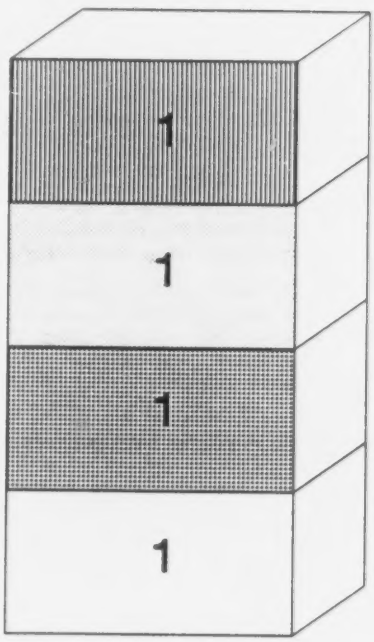
MOTORCYCLE CRASHES

1977 - 1989

Year	Reg. Motor-cycles	All Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Motor-cyclists Killed	Number of Victims wearing Helmets
1977	8,144	290	3	261	26	4	1
1978	8,550	292	8	253	31	8	3
1979	11,494	384	12	317	55	13	3
1980	8,941	404	16	337	51	16	3
1981	9,451	354	7	290	57	8	2
1982	9,363	375	17	290	68	18	7
1983	8,830	331	10	276	45	10	2
1984	8,625	295	7	228	60	7	2
1985	8,360	333	17	270	46	19	6
1986	8,124	310	6	257	47	6	1
1987	7,455	315	14	253	48	14	3
1988	7,768	321	10	245	66	11	5
1989	**7,835**	**274**	**4**	**228**	**42**	**4**	**0**

MOTORCYCLE CRASHES
BAC Information of Motorcyclists Killed

Out of the 4
Motorcyclists killed:



75% of the motorcyclists killed had a positive BAC

PEDESTRIAN CRASHES

In 1989:

- There were 303 traffic crashes which involved a pedestrian.
- 6% of the crashes were fatal crashes.
- 94% of the crashes were personal injury crashes.
- There were no property damage crashes involving a pedestrian.
- Of the 19 pedestrians killed in 1989, 12 had a positive BAC.

PEDESTRIANS KILLED and INJURED

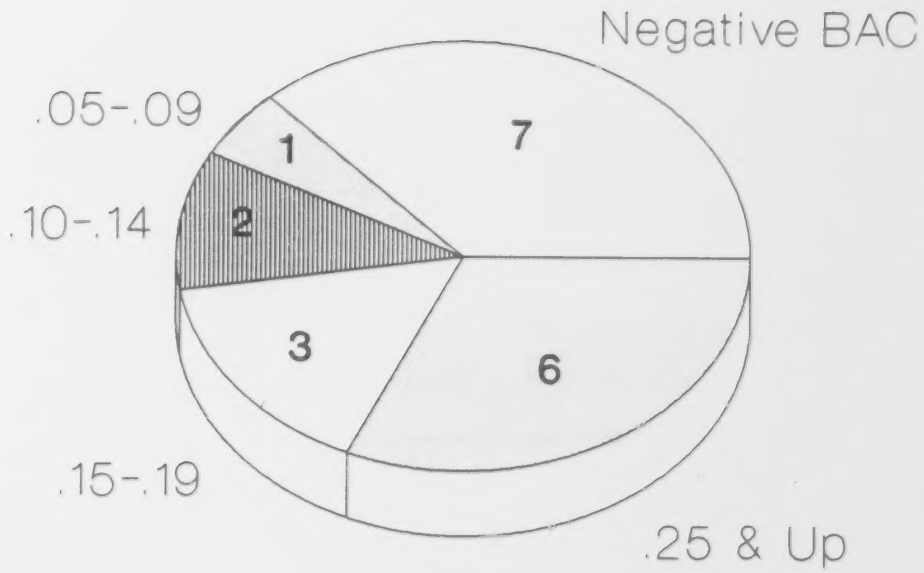
by AGE

1987 - 1989

Age of Pedestrian	1987		1988		1989	
	Killed	Injured	Killed	Injured	Killed	Injured
0 - 4	1	40	0	21	0	26
5 - 9	1	72	1	79	1	67
10 - 14	1	39	0	34	0	34
15 - 19	1	32	2	28	2	32
20 - 24	2	28	2	36	3	26
25 - 34	3	48	9	40	2	47
35 - 44	2	31	5	31	4	16
45 - 54	2	20	2	18	2	9
55 - 64	3	19	4	9	3	9
65 - 74	5	6	2	5	1	10
75 & Older	2	7	1	11	1	5
Unknown	0	2	0	2	0	4
TOTALS:	**23**	**344**	**28**	**314**	**19**	**285**

PEDESTRIAN CRASHES
BAC Information of Pedestrians Killed

Out of the 19
Pedestrians killed:



63% of the pedestrians killed had a positive BAC

BICYCLE CRASHES

In 1989:

- There were 165 traffic crashes which involved a bicyclist.
- 1% of the crashes were fatal crashes.
- 98% of the crashes were personal injury crashes.
- 1% of the crashes were property damage crashes.
- Neither of the 2 fatal crashes were alcohol related.
- Children under 15 years of age accounted for 58% of the bicyclist's injuries.

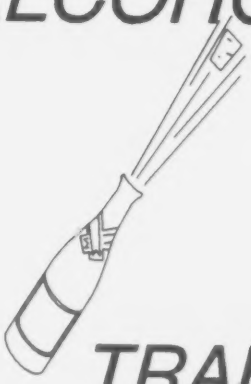
BICYCLISTS KILLED and INJURED

by AGE

1987 - 1989

Age of Bicyclist	1987 Killed	1987 Injured	1988 Killed	1988 Injured	1989 Killed	1989 Injured
0 - 4	0	4	0	6	0	4
5 - 9	1	44	0	40	0	39
10 - 14	0	53	1	58	0	48
15 - 19	1	39	2	27	0	25
20 - 24	0	32	0	20	0	17
25 - 34	0	20	0	14	1	16
35 - 44	0	9	0	9	0	5
45 - 54	0	3	0	2	1	0
55 - 64	0	4	0	2	0	0
65 - 74	0	0	0	3	0	2
75 & Older	0	0	0	0	0	0
Unknown	0	1	0	1	0	0
TOTALS:	**2**	**209**	**3**	**182**	**2**	**156**

ALCOHOL INVOLVEMENT



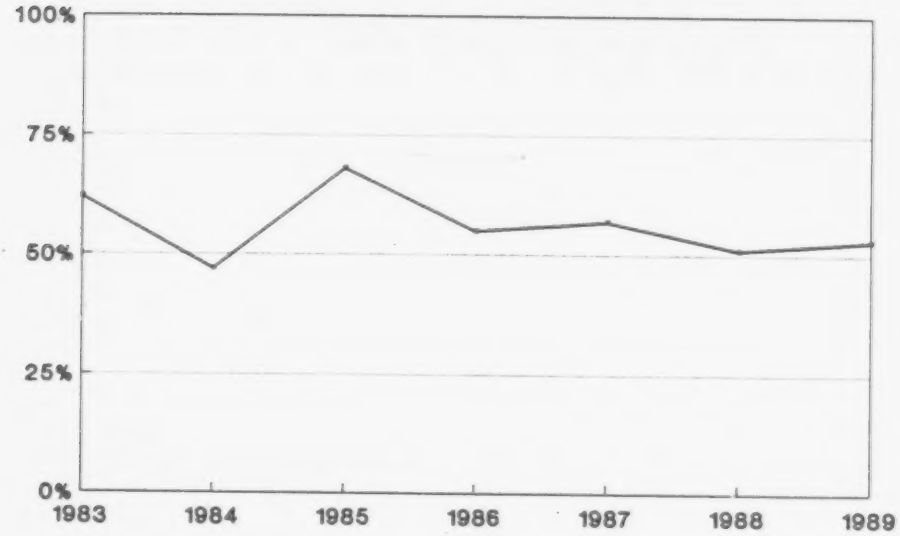
in

TRAFFIC CRASHES

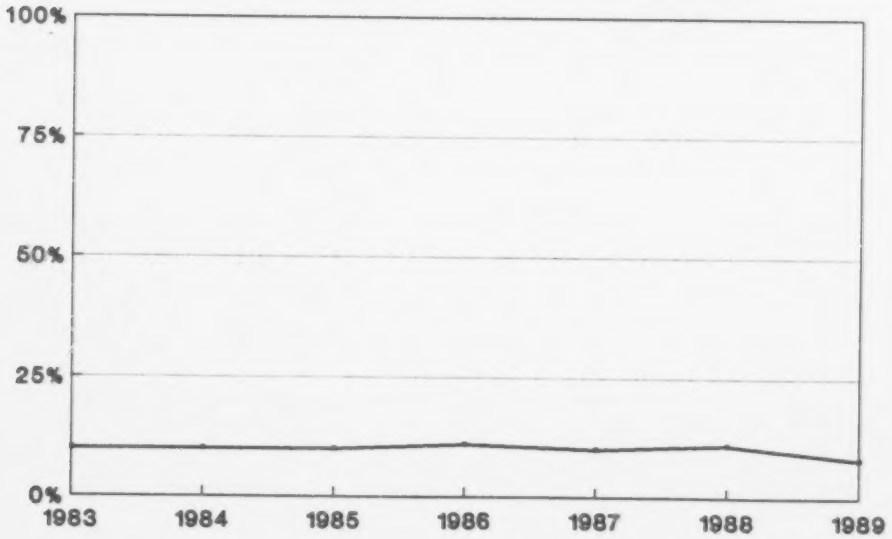
ALCOHOL INVOLVEMENT
in
TRAFFIC CRASHES
1985 - 1989

	TOTAL CRASHES	ALCOHOL RELATED CRASHES	% OF TOTAL
FATALS			
1985	95	65	68%
1986	121	67	55%
1987	132	75	57%
1988	147	75	51%
1989	111	59	53%
PERSONAL INJURY			
1985	5499	1051	19%
1986	5928	1061	18%
1987	5813	974	17%
1988	5878	990	17%
1989	5867	772	13%
PROPERTY DAMAGE			
1985	13440	830	6%
1986	13827	1112	8%
1987	14394	1060	7%
1988	13765	1109	8%
1989	13432	732	5%
ALL CRASHES			
1985	19034	1946	10%
1986	19876	2240	11%
1987	20339	2109	10%
1988	19790	2174	11%
1989	19410	1563	8%

Percentage of Fatal Crashes that were Alcohol Related



Percentage of Total Crashes that were Alcohol Related



ALCOHOL INVOLVEMENT

in

TRAFFIC FATALITIES & INJURIES

1985 - 1989

	TOTAL FATALITIES	ALCOHOL RELATED FATALITIES	% OF TOTAL
1985	105	73	70%
1986	138	80	58%
1987	147	83	56%
1988	165	85	52%
1989	119	65	55%

	TOTAL INJURIES	ALCOHOL RELATED INJURIES	% OF TOTAL
1985	8506	1668	20%
1986	9335	1754	19%
1987	8915	1525	17%
1988	9245	1597	17%
1989	9245	1240	13%

TRAFFIC CRASH FATALITIES

by

AGE and SEX

1989

AGE	MALE	FEMALE	TOTAL
0 - 4	0	1	1
5 - 9	2	1	3
10 - 14	0	0	0
15 - 19	7	10	17
20 - 24	14	5	19
25 - 34	24	4	28
35 - 44	11	2	13
45 - 54	6	4	10
55 - 64	6	6	12
65 - 74	3	5	8
75 & Older	5	3	8
TOTALS:	**78**	**41**	**119**

ALCOHOL RELATED

TRAFFIC CRASH FATALITIES

by

AGE and SEX

1989

AGE	MALE	FEMALE	TOTAL
0 - 4	0	0	0
5 - 9	0	0	0
10 - 14	0	0	0
15 - 19	6	4	10
20 - 24	10	3	13
25 - 34	19	2	21
35 - 44	5	2	7
45 - 54	4	3	7
55 - 64	3	1	4
65 - 74	1	1	2
75 & Older	1	0	1
TOTALS:	**49**	**16**	**65**

DRIVERS KILLED
by
AGE and SEX

AGE	MALE	FEMALE	TOTAL
16	1	0	1
17	0	2	2
18	3	2	5
19	2	0	2
20	1	0	1
21 - 25	9	0	9
26 - 30	5	3	8
31 - 35	10	1	11
36 - 45	6	2	8
46 - 55	4	4	8
56 - 65	3	2	5
66 - 75	2	3	5
76 & Older	2	2	4
TOTALS:	**48**	**21**	**69**

DRINKING DRIVERS KILLED

by

AGE and SEX

AGE	MALE	FEMALE	TOTAL
16	1	0	1
17	0	0	0
18	2	1	3
19	1	0	1
20	0	0	0
21 - 25	7	0	7
26 - 30	5	2	7
31 - 35	5	0	5
36 - 45	2	1	3
46 - 55	3	0	3
56 - 65	1	0	1
66 - 75	1	0	1
76 & Older	0	0	0
TOTALS:	**28**	**4**	**33**

BLOOD ALCOHOL CONTENT DATA

on

DRIVERS KILLED

Number of Drivers Killed: 69

Number of BAC's Obtained: 69

Percent of BAC's Obtained: 100%

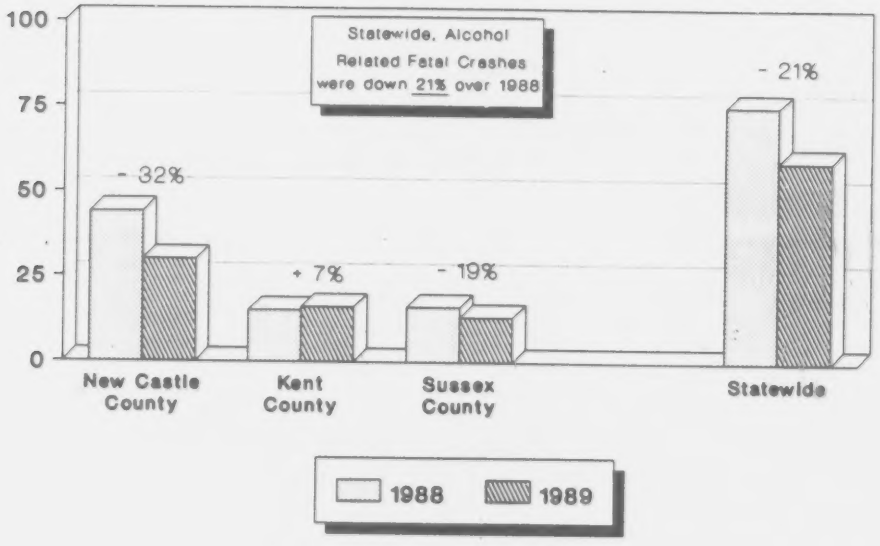
A breakdown of the BAC's:

Negative BAC	37
.01 - .04	0
.05 - .09	2
.10 - .14	5
.15 - .19	10
.20 - .24	7
.25 & Higher	8

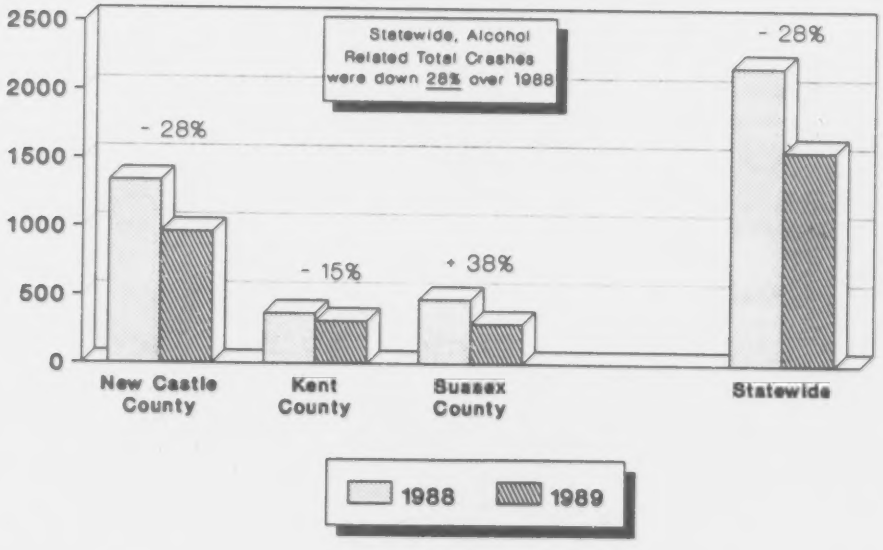
ALCOHOL RELATED CRASH COMPARISON

	1989	1988	% CHANGE
NEW CASTLE COUNTY			
Fatal Crashes	30	44	32% ↓
Personal Injury Crashes	486	597	19% ↓
Property Damage Crashes	443	696	36 ↓
Total Crashes	959	1337	28% ↓
Fatalities	34	51	33% ↓
Injuries	800	1003	20% ↓
KENT COUNTY			
Fatal Crashes	16	15	7% ↑
Personal Injury Crashes	148	168	12% ↓
Property Damage Crashes	147	184	20% ↓
Total Crashes	311	367	15% ↓
Fatalities	17	16	6% ↑
Injuries	242	256	5% ↓
SUSSEX COUNTY			
Fatal Crashes	13	16	19% ↓
Personal Injury Crashes	138	225	39% ↓
Property Damage Crashes	142	229	38% ↓
Total Crashes	293	470	38% ↓
Fatalities	14	18	22% ↓
Injuries	198	338	41% ↓
STATEWIDE			
Fatal Crashes	59	75	21% ↓
Personal Injury Crashes	772	990	22% ↓
Property Damage Crashes	732	1109	34% ↓
Total Crashes	1563	2174	28% ↓
Fatalities	65	85	24% ↓
Injuries	1240	1597	22% ↓

ALCOHOL RELATED FATAL CRASHES



ALCOHOL RELATED TOTAL CRASHES



ALCOHOL RELATED

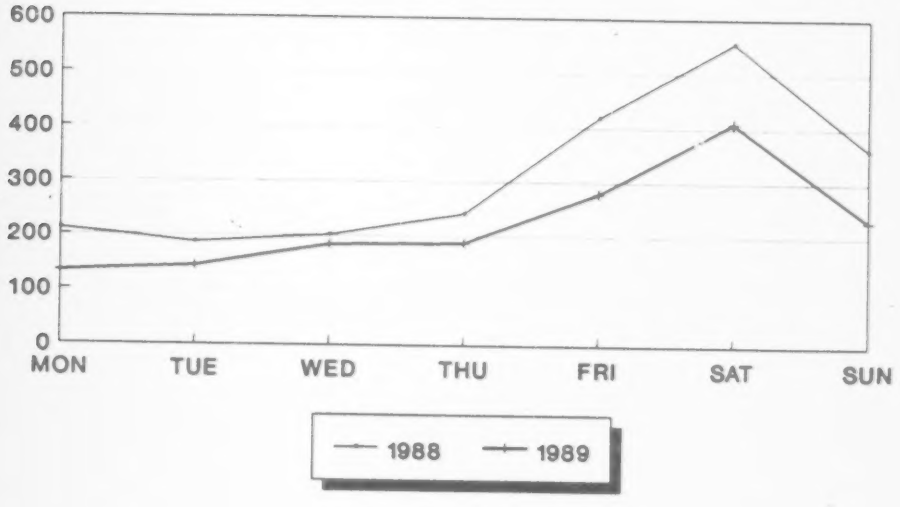
ALL CRASHES and FATAL CRASHES

by

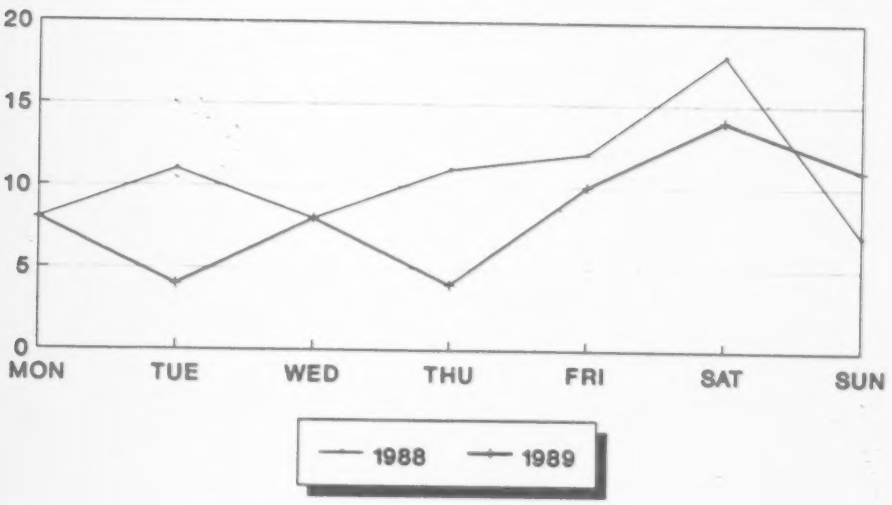
DAY OF WEEK

DAY OF WEEK	ALL CRASHES		FATAL CRASHES	
	1989	1988	1989	1988
Monday	133	210	8	8
Tuesday	143	187	4	11
Wednesday	183	201	8	8
Thursday	187	240	4	11
Friday	278	419	10	12
Saturday	**409**	**556**	**14**	**18**
Sunday	230	361	11	7
TOTALS:	**1563**	**2174**	**59**	**75**

ALCOHOL RELATED
TOTAL CRASHES
by Day of Week



ALCOHOL RELATED
FATAL CRASHES
by Day of Week



ALCOHOL RELATED

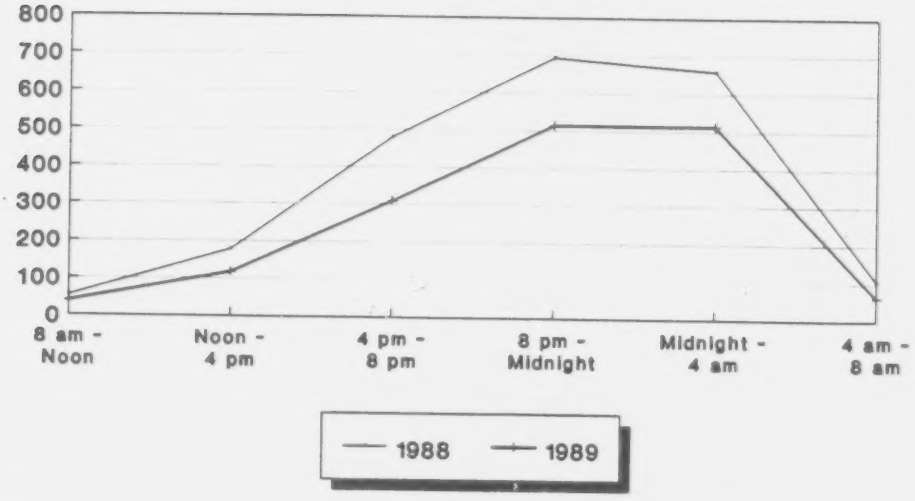
ALL CRASHES and FATAL CRASHES

by

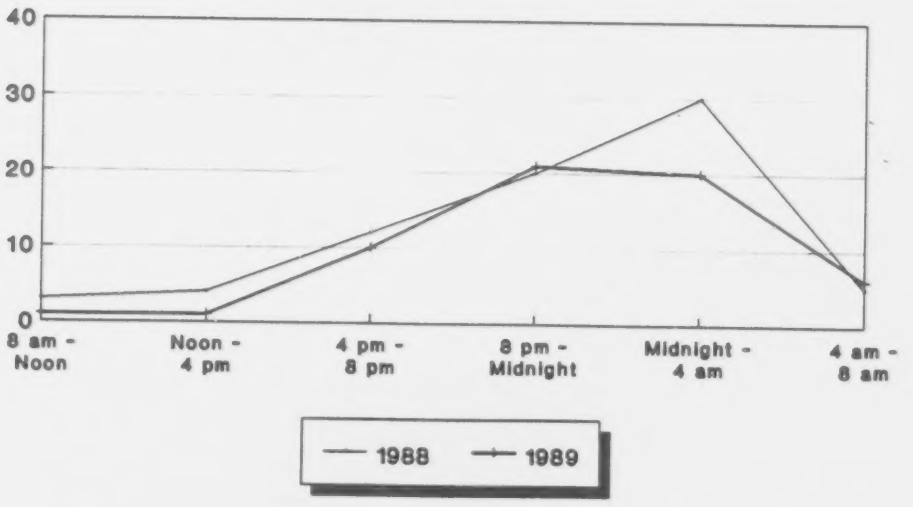
TIME OF DAY

TIME OF DAY	ALL CRASHES		FATAL CRASHES	
	1989	1988	1989	1988
8 am - Noon	39	52	1	3
Noon - 4 pm	117	177	1	4
4 pm - 8 pm	309	480	10	12
8 pm - Midnight	**514**	**694**	**21**	**20**
Midnight - 4 am	**515**	**660**	**20**	**30**
4 am - 8 am	62	105	6	5
Not Stated	7	6	0	1
TOTALS:	**1563**	**2174**	**59**	**75**

ALCOHOL RELATED
TOTAL CRASHES
by Time of Day



ALCOHOL RELATED
FATAL CRASHES
by Time of Day



1989

DELAWARE STATE POLICE

TRAFFIC ENFORCEMENT SUMMARY

CRASH INVESTIGATION

BY

DELAWARE STATE POLICE

ALL CRASHES	1985	1986	1987	1988	1989	% CHANGE OVER 1988
TOTAL CRASHES	9,799	10,296	10,672	10,612	10,457	1% ↓
FATAL	75	97	97	118	83	30% ↓
PERSONAL INJURY	3,247	3,440	3,393	3,395	3,358	1% ↓
PROPERTY DAMAGE	6,477	6,759	7,182	7,099	7,016	1% ↓
FATALITIES	83	111	106	132	88	33% ↓
INJURIES	5,245	5,595	5,450	5,500	5,542	↑ 1%

ALCOHOL RELATED	1985	1986	1987	1988	1989	% CHANGE OVER 1988
TOTAL CRASHES	1,246	1,516	1,364	1,350	1,038	23% ↓
FATAL	53	53	58	62	49	8% ↓
PERSONAL INJURY	674	761	672	629	520	17% ↓
PROPERTY DAMAGE	519	702	634	659	469	29% ↓
FATALITIES	59	63	64	69	53	23% ↓
INJURIES	1,095	1,289	1,084	1,001	836	16% ↓

INSURANCE REQUESTS	1985	1986	1987	1988	1989	% CHANGE OVER 1988
REQUESTS PROCESSED	10,979	11,240	13,637	14,812	14,968	↑ 1%

TRAFFIC ENFORCEMENT

BY

DELAWARE STATE POLICE

TRAFFIC ARRESTS.	1985	1986	1987	1988	1989	% CHANGE OVER 1988
TOTAL ARRESTS	85917	89954	91398	94796	102412	↑ 8%
DUI ARRESTS	3435	3499	3612	3711	4134	↑ 11%
SPEED ARRESTS	47963	50567	51466	48630	53498	↑ 10%
RADAR ARRESTS	45828	48387	49017	44319	49824	↑ 12%
55 MPH ARRESTS	27362	27619	26853	23932	27542	↑ 15%
DMV ARRESTS	N/A	68067	69127	68032	75264	↑ 11%

TRUCK ENFORCEMENT	1985	1986	1987	1988	1989	% CHANGE OVER 1988
# WEIGHED	219238	220884	91622	42978	133266	↑ 210%
WEIGHT ARRESTS	682	403	470	421	459	↑ 9%
MOTOR FUEL TAX ARRESTS	2077	919	1322	1081	625	↓ 42%

DELAWARE STATE POLICE

CRASH INVESTIGATION

by TROOP and by COUNTY

TROOP	ALL CRASHES		FATAL CRASHES		PERSONAL INJURY CRASHES		PROPERTY DAMAGE CRASHES	
	89	88	89	88	89	88	89	88
1	1592	1591	5	9	433	394	1154	1188
3	1464	1496	21	18	482	527	961	951
5	1135	1087	12	20	379	383	744	684
6	4546	3866	28	35	1457	1124	3061	2707
7	1096	1194	13	17	398	452	685	725
9	624	1378	4	19	209	515	411	844
TOTALS:	**10457**	**10612**	**83**	**118**	**3358**	**3395**	**7016**	**7099**

COUNTY	ALL CRASHES		FATAL CRASHES		PERSONAL INJURY CRASHES		PROPERTY DAMAGE CRASHES	
	89	88	89	88	89	88	89	88
NEW CASTLE COUNTY	6762	6835	37	63	2099	2033	4626	4739
KENT COUNTY	1464	1496	21	18	482	527	961	951
SUSSEX COUNTY	2231	2281	25	37	777	835	1429	1409
TOTALS:	**10457**	**10612**	**83**	**118**	**3358**	**3395**	**7016**	**7099**

DELAWARE STATE POLICE

ALCOHOL RELATED CRASH INVESTIGATION

by TROOP and by COUNTY

TROOP	ALL CRASHES		FATAL CRASHES		PERSONAL INJURY CRASHES		PROPERTY DAMAGE CRASHES	
	89	88	89	88	89	88	89	88
1	118	151	2	1	60	58	56	92
3	228	245	15	12	102	115	111	118
5	115	197	7	8	57	96	51	93
6	360	364	21	20	189	165	150	179
7	141	202	4	8	71	99	66	95
9	76	191	0	13	41	96	35	82
TOTALS:	**1038**	**1350**	**49**	**62**	**520**	**629**	**469**	**659**

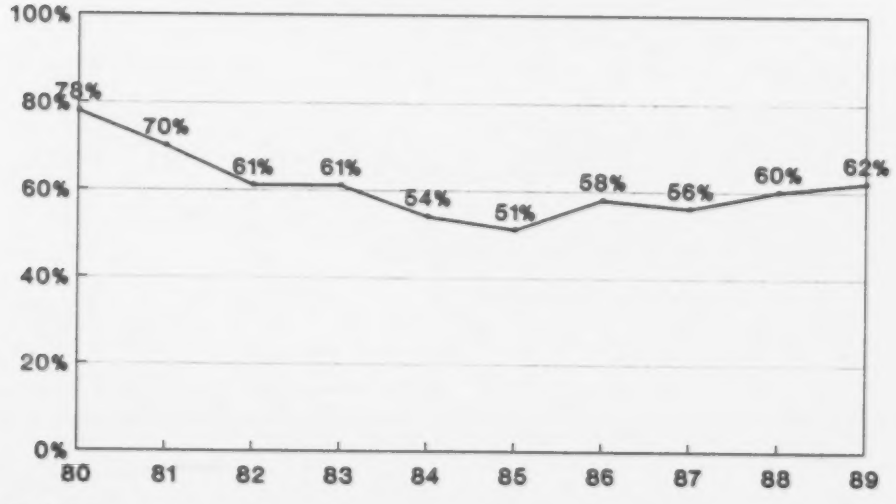
COUNTY	ALL CRASHES		FATAL CRASHES		PERSONAL INJURY CRASHES		PROPERTY DAMAGE CRASHES	
	89	88	89	88	89	88	89	88
NEW CASTLE COUNTY	554	706	23	34	290	319	241	353
KENT COUNTY	228	245	15	12	102	115	111	118
SUSSEX COUNTY	256	399	11	16	128	195	117	188
TOTALS:	**1038**	**1350**	**49**	**62**	**520**	**629**	**469**	**659**

DUI Arrests

Statewide & Delaware State Police

Year	Statewide	State Police
1980	2672	2087
1981	4370	3047
1982	6055	3676
1983	6080	3723
1984	6245	3355
1985	6718	3435
1986	6029	3499
1987	6448	3612
1988	6145	3711
1989	6659	4134

Percent of Statewide Arrests made by Delaware State Police



1980-1989

BLOOD ALCOHOL CONTENT DATA
DRIVERS ARRESTED FOR DUI

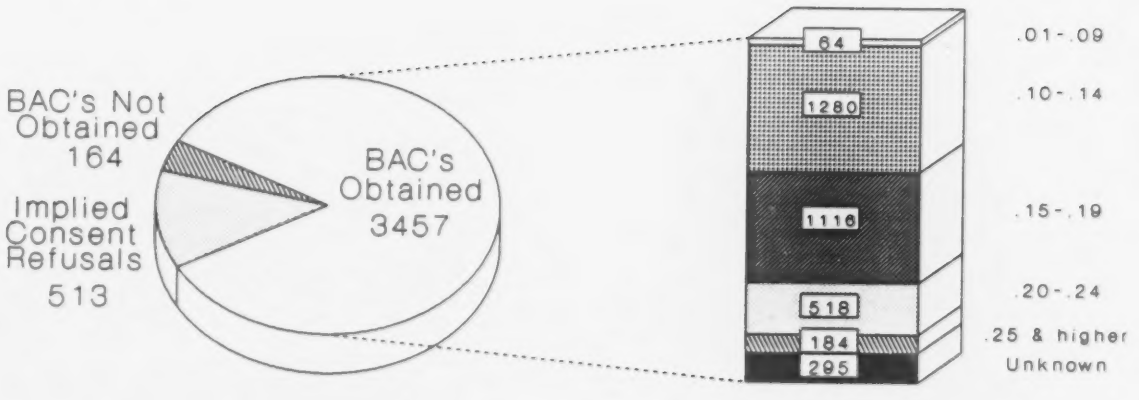
	1989	1988	1987
# of DUI Arrests	4134	3711	3612
# of BAC's Obtained	3457	2973	2913
# of BAC's Not Obtained	164	105	79
Implied Consent Refusals	513	633	620

DRIVERS ARRESTED FOR DUI
by AGE and SEX

	MALES	FEMALES	TOTAL
15 & Under	1	0	1
16	9	2	11
17	23	4	27
18	68	10	78
19 - 20	161	26	187
21 - 24	572	100	672
25 - 34	1490	251	1741
35 - 44	743	118	861
45 - 54	313	36	349
55 - 64	127	21	148
65 & Older	40	5	45
Unknown	12	2	14
TOTALS:	**3559**	**575**	**4134**

BLOOD ALCOHOL CONTENT DATA
Drivers Arrested for DUI

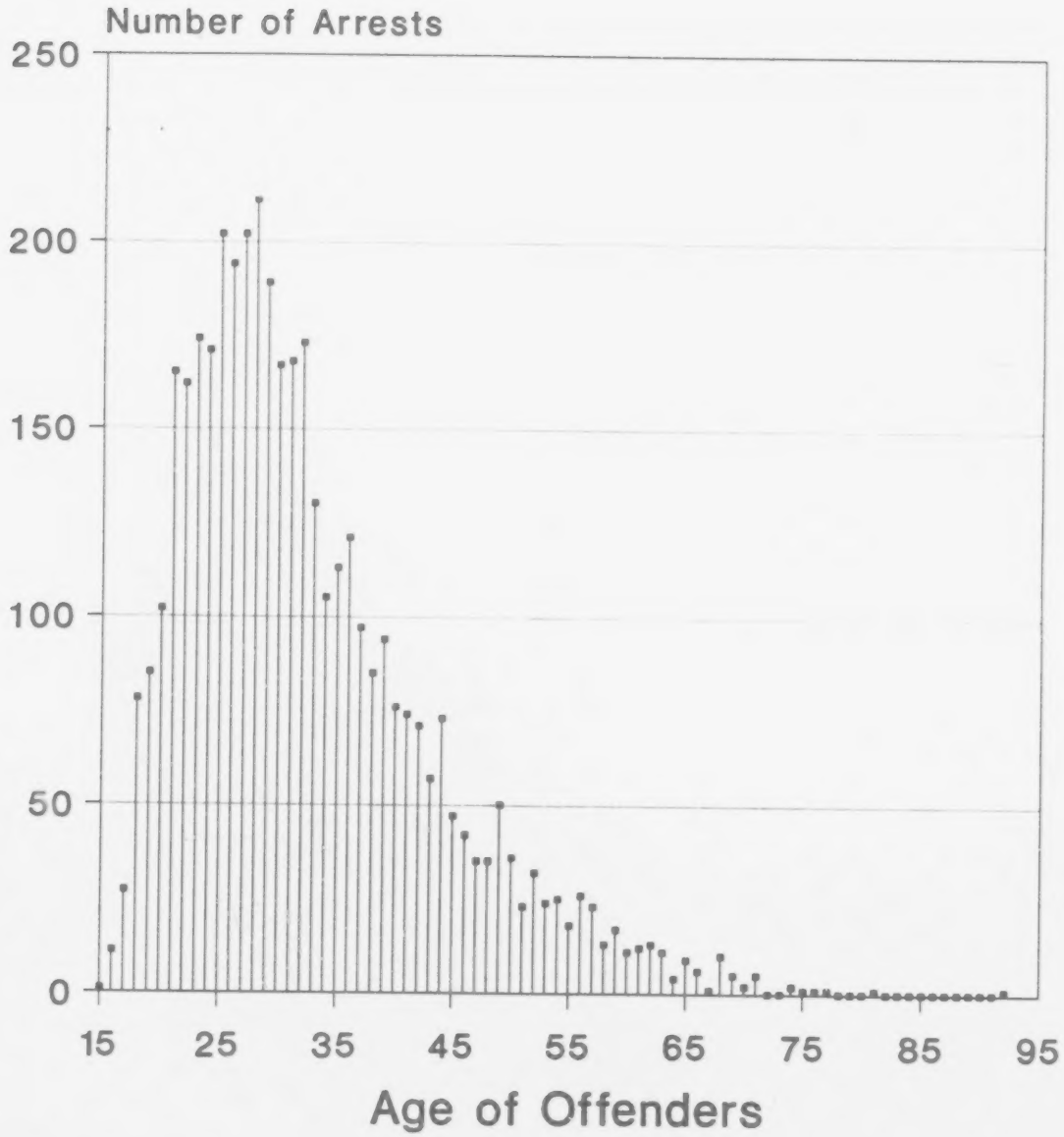
1989



Total DUI Arrests:
4134

Breakdown of the BAC's Obtained

Person Arrested for DUI
by Age

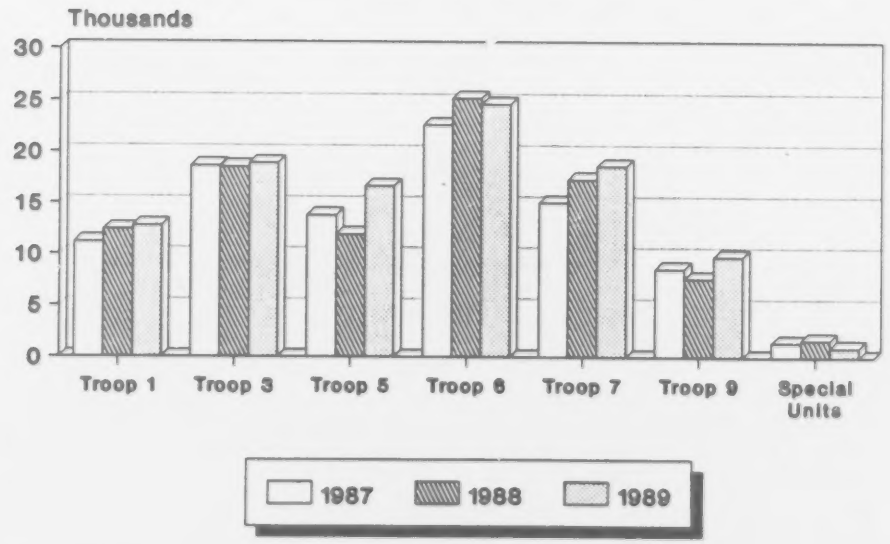


1989

ALL TRAFFIC ARRESTS
by Troops

TROOP	1987	1988	1989
1	11,177	12,427	12,786
3	18,652	18,545	18,923
5	13,835	11,921	16,675
6	22,666	25,237	24,688
7	15,046	17,338	18,630
9	8,596	7,662	9,762
Special Units	1,426	1,666	948
TOTALS:	91,398	94,796	102,412

ALL TRAFFIC ARRESTS
by Troops

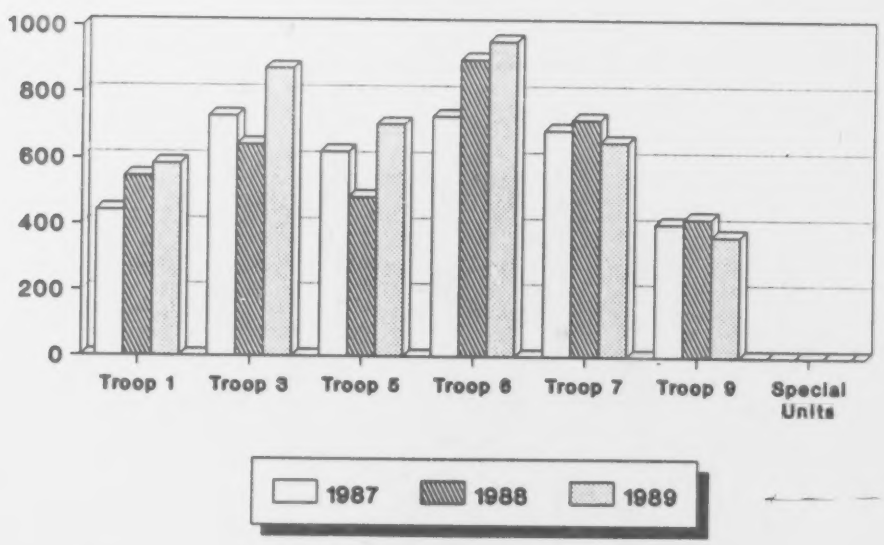


1987 - 1989

DUI ARRESTS
by Troops

TROOP	1987	1988	1989
1	442	546	584
3	728	642	872
5	621	483	704
6	728	900	955
7	687	719	652
9	405	421	367
Special Units	1	0	0
TOTALS:	3,612	3,711	4,134

DUI ARRESTS
by Troops

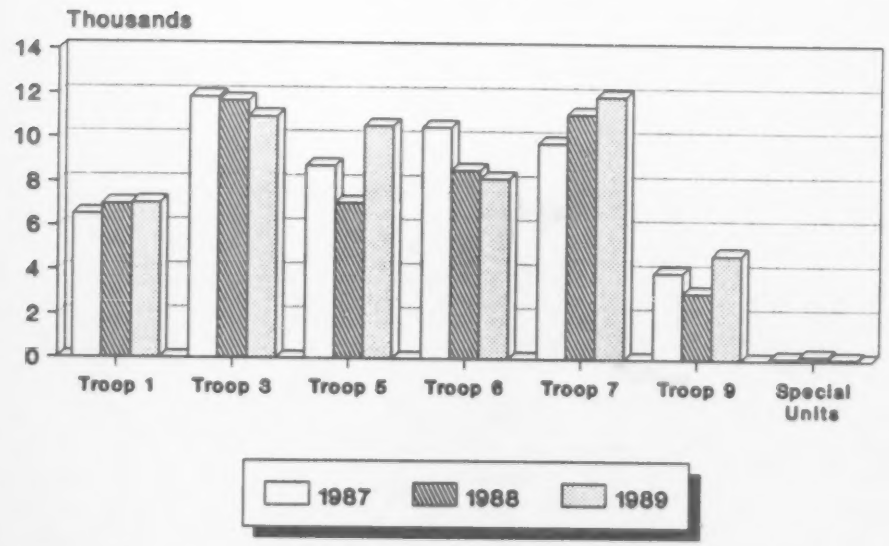


1987 - 1989

SPEED ARRESTS
by Troops

TROOP	1987	1988	1989
1	6,513	6,990	7,047
3	11,848	11,667	10,964
5	8,751	7,048	10,549
6	10,501	8,557	8,192
7	9,801	11,112	11,906
9	3,952	3,038	4,765
Special Units	100	218	75
TOTALS:	51,466	48,630	53,498

SPEED ARRESTS
by Troops

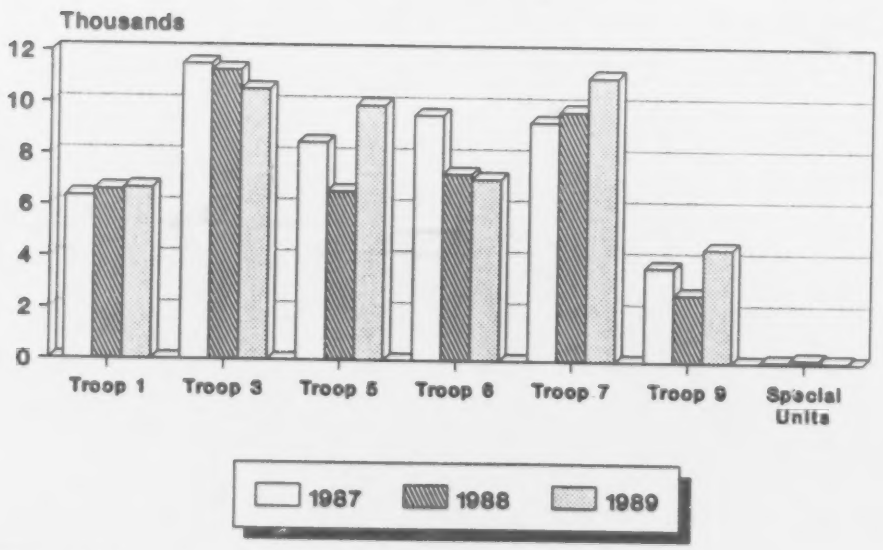


1987 - 1989

RADAR ARRESTS
by Troops

TROOP	1987	1988	1989
1	6,363	6,614	6,681
3	11,532	11,287	10,555
5	8,489	6,574	9,949
6	9,566	7,296	7,097
7	9,316	9,741	11,078
9	3,677	2,649	4,410
Special Units	74	158	54
TOTALS:	49,017	44,319	49,824

RADAR ARRESTS
by Troops

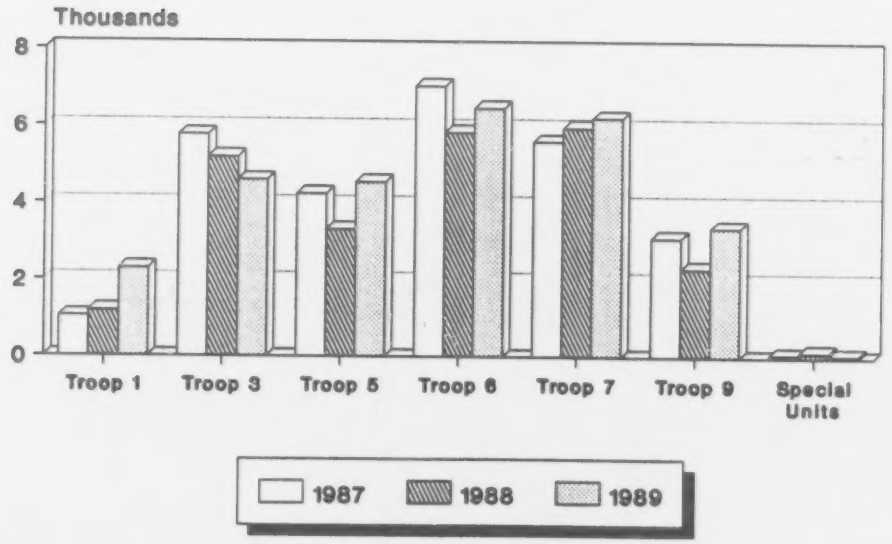


1987 - 1989

55 MPH SPEED ARRESTS
by Troops

TROOP	1987	1988	1989
1	1,042	1,189	2,291
3	5,765	5,194	4,600
5	4,238	3,319	4,547
6	7,032	5,832	6,467
7	5,600	5,954	6,210
9	3,102	2,303	3,370
Special Units	74	141	57
TOTALS:	26,853	23,932	27,542

55 MPH SPEED ARRESTS
by Troops

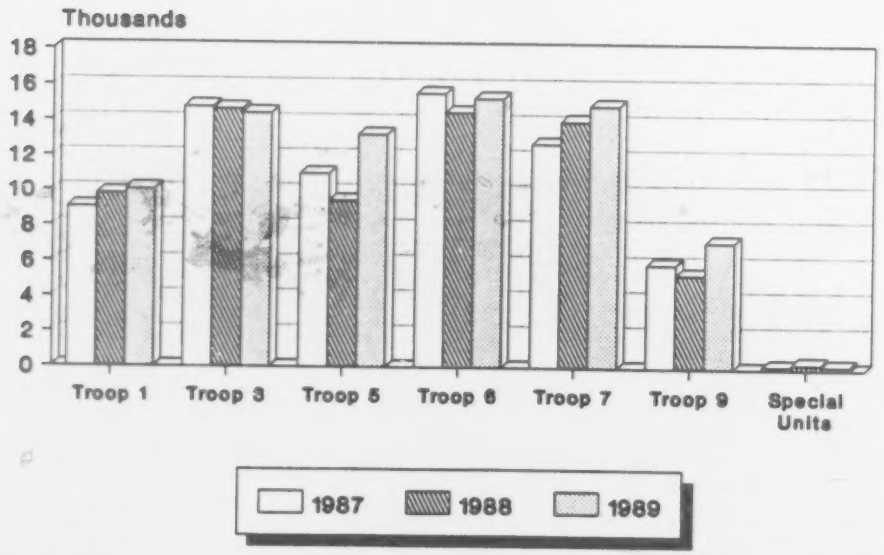


1987 - 1989

DANGEROUS MOVING VIOLATION ARRESTS
by Troops

TROOP	1987	1988	1989
1	9,029	9,814	10,055
3	14,783	14,649	14,422
5	10,969	9,434	13,230
6	15,565	14,482	15,299
7	12,707	14,011	14,896
9	5,897	5,323	7,170
Special Units	177	319	192
TOTALS:	69,127	68,032	75,264

DANGEROUS MOVING VIOLATION ARRESTS
by Troops



1987 - 1989